HEAVY-DUTY TOOLS

For Contractors and Industry

MILWAUKEE

50

1924

Milwaukee

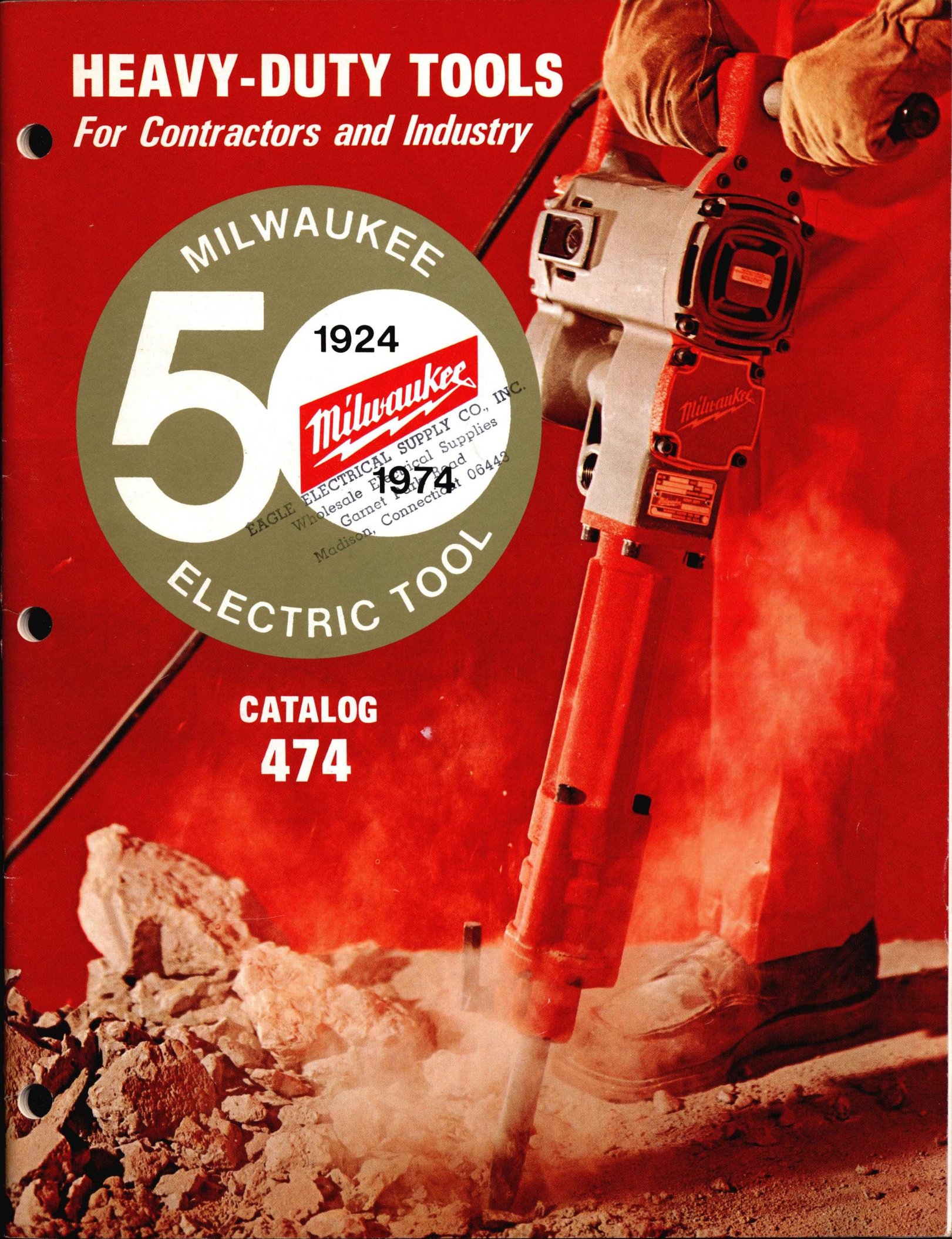
1974

ELECTRIC TOOL

EAGLE ELECTRICAL SUPPLY CO., INC.
Wholesale Electrical Supplies
Garnet Hill Road
Madison, Connecticut 06443

CATALOG

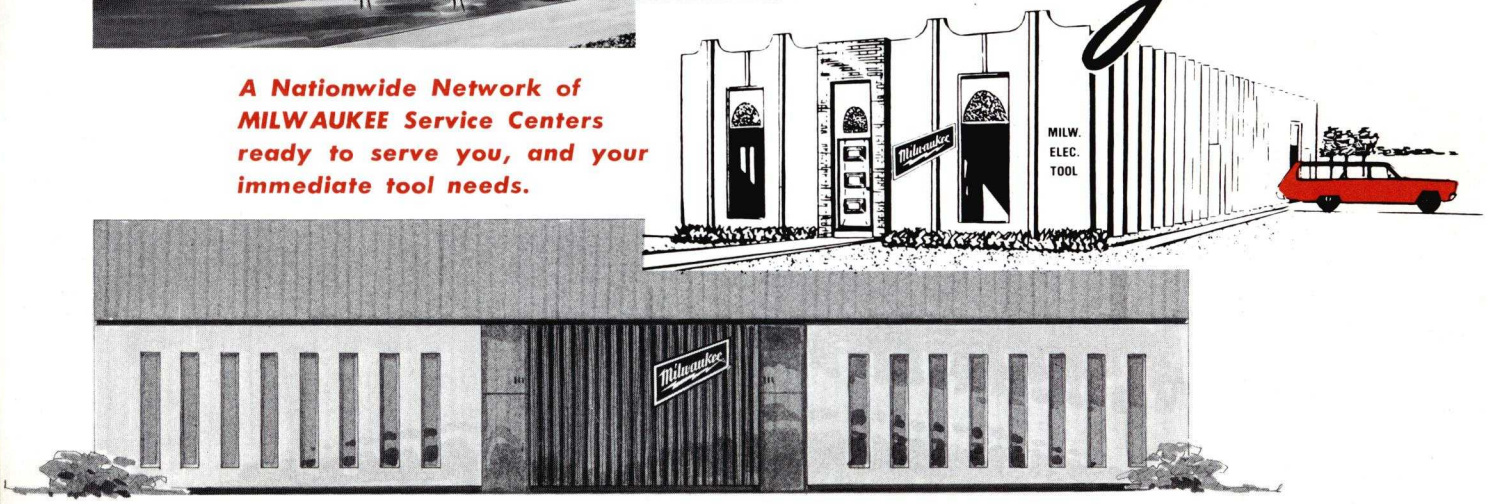
474



Milwaukee

Factory SERVICE CENTERS

A Nationwide Network of MILWAUKEE Service Centers ready to serve you, and your immediate tool needs.



A nation-wide network of Factory Service Centers and Authorized Service Stations has been established to assure prompt, efficient service. These organizations, staffed with factory trained personnel, are your source for service or MILWAUKEE ELECTRIC TOOL warranty repairs. They carry an adequate stock to supply genuine replacement parts.

FACTORY SERVICE
4320 North 124th St.
Wauwatosa, Wis. 53225
Phone (414) 781-3600

MILWAUKEE 50 1924 Milwaukee 1974 ELECTRIC TOOL

ANAHEIM
1130 N. Magnolia St.
Anaheim, Calif. 92801
Phone 714 827-3970

ATLANTA
1434 Tullie Road, N.E.
Atlanta, Georgia 30329
Phone 404 636-4377

BOSTON
143 California St.
Newton, Mass. 02158
Phone 617 244-4483

CHICAGO
7315 N. Monticello Ave.
Skokie, Ill. 60076
Phone 312 539-9173

CLEVELAND
7600 Wall Street
Cleveland, Ohio 44125
Phone 216 524-8040

DALLAS
7205 Envoy Court
Dallas, Texas 75247
Phone 214 637-4820

DENVER
2620 W. 2nd Avenue
Denver, Colorado 80219
Phone 303 922-1163

DETROIT
999 Troy Court
Troy, Mich. 48084
Phone 313 585-8252

HOUSTON
4801 Katy Freeway
Houston, Texas 77007
Phone 713 861-4671

LOS ANGELES
2561 W. Olympic Blvd.
Los Angeles, Calif. 90006
Phone 213 382-3000
and 213 382-2361

MIAMI
8101 N.W. 33rd St.
Miami, Florida 33122
Phone 305 592-0442

MINNEAPOLIS
2200 W. 94th Street
Bloomington, Minn. 55431
Phone 612 884-7258

NEW YORK
27-07 Brooklyn-Queens
Expressway W.
Woodside, New York 11377
Phone N. Y. 212 721-5151
N. J. 201 622-7752

PHILADELPHIA
388 Reed Road
P. O. Box 224
Broomall, Pa. 19008
Phone 215 544-5544
Phila. 215 528-6771

SAN FRANCISCO
329 Littlefield Ave.
S. San Francisco, Calif. 94080
Phone 415 583-8484
S. F. 415 761-2851

SEATTLE
503 S. Michigan St.
P. O. Box 80346
Seattle, Washington 98108
Phone 206 762-8430

AUTHORIZED SERVICE STATIONS

ALABAMA
Power Tool Services, Inc.
1113 4th Avenue South
Birmingham, Alabama 35233

ALASKA
Aero Services Co.
203 Post Road
P.O. Box 1554
Anchorage, Alaska 99501

Aero Services Co. of Fairbanks
P.O. Box 2191
Fairbanks, Alaska 99701

ARIZONA
Glenn's Tool Service
4036 N. 13th Way E.
Phoenix, Arizona 85014

Electric Motor Company
1028 E. Broadway
Tucson, Arizona 85719

ARKANSAS
Henninger, Inc.
1206 S. Main St.
Little Rock, Ark. 72202

CALIFORNIA
Blackstone Electric Motor Shop
1251 Blackstone Avenue
Fresno, California 93703

Sacramento Industrial Electric Co.
6325 Elvas Avenue
Sacramento, California 95819

Precision Mechanical
260 Commercial Street
San Jose, California 95112

CONNECTICUT
Portable Power Tool Repair Co.
447 Arch Street, Rear
New Britain, Connecticut 06051

FLORIDA
Turner Electric Works
1020 E. 8th St., P.O. Box 4247
Jacksonville, Florida 32201

Florida Electric Motor Service
1128 Atlanta Avenue
Orlando, Florida 32806

Electrical Repair Co.
1228 East Cass Street
Tampa, Florida 33602

HAWAII
Central Service & Sales, Inc.
687 Auahi Street
Honolulu, Hawaii 96813

IDAHO
K. C. Supply Co.
814 N. Manville Street
Boise, Idaho 83704

INDIANA
Electric Tool & Motor Service, Inc.
1001 North Illinois
Indianapolis, Indiana 46204

IOWA
Jim's Appliance Service
901 Ninth St., S.W.
Cedar Rapids, Iowa 52404

Five Cities Tool Service, Inc.
743 Schmidt Road
Davenport, Iowa 52802

Electrical Engineering & Equip. Co.
1808 Delaware Street
Des Moines, Iowa 50317

KANSAS
Mears Electric Co., Inc.
925 E. Murdock
Wichita, Kansas 67202

KENTUCKY
City Electric Motor Shop
492 East High Street
Lexington, Kentucky 40508

Tool Repair Service
1200 Goss Avenue
Louisville, Kentucky 40217

LOUISIANA
Beerman Precision Machine Wks., Inc.
2021 Thalia Street—P.O. Box 53432
New Orleans, Louisiana 70150

MARYLAND
Roland Electrical Company
330 West 23rd Street
Baltimore, Maryland 21211

Turner Electric Company
201 Ethan Allen Avenue
Takoma Park, Maryland 20012

MISSISSIPPI
Flannigan Electric Co. Inc.
328 Oakdale Street
Jackson, Mississippi 39204

MISSOURI
Heath Sales & Services, Inc.
518-20 East 16th Street
Kansas City, Missouri 64108

P. M. Electric Company, Inc.
5280 Fyler Avenue
St. Louis, Missouri 63139

MONTANA
City Electric Company
601 W. Kent Street
Missoula, Montana 59801

NEBRASKA
Flohr Electric Service, Inc.
2516 Cuming Street
Omaha, Nebraska 68131

NEVADA
Stewart's Electric Motors, Inc.
2113 Western Avenue
Las Vegas, Nevada 89102

NEW MEXICO
Electric Service, Inc.
1007 Bridge Boulevard, S.W.
Albuquerque, New Mexico 87105

NEW YORK
Richter Electric Motor Repair
1559 Niagara Street
Buffalo, New York 14213

Berger Electric Corp.
295 Mt. Read Blvd.
P.O. Box 1907
Rochester, New York 14603

Barrett Electric Service Inc.
112 Henry Street
Schenectady, New York 12304

Ramsing Electric Service Co.
125 Charles Avenue (Syracuse)
Solvay, New York 13209

NORTH CAROLINA
Portable Tool Service
724 N. Brevard Street
Charlotte, North Carolina 28202

OHIO
Cincinnati Electrical Repair Co.
2023 Elm Street
Cincinnati, Ohio 45210

B. R. Shoemaker & Son
950 Oakland Park Avenue
Columbus, Ohio 43224

M & R Electric Motor Service, Inc.
1516 East Fifth Street
Dayton, Ohio 45403

OKLAHOMA
Hydraulic Equipment Company
515 South Broadway
Oklahoma City, Oklahoma 73125

Hammond Electric Co.
1510 East Third Street
Tulsa, Oklahoma 74120

OREGON
Keith's Electric Motor Service
678 Olive Street
Eugene, Oregon 97401

Walker Electric Works
206 Northwest 10th Ave.
Portland, Oregon 97209

PENNSYLVANIA
Snyder Electric Company
1500 Chateau Street
Pittsburgh, Pennsylvania 15233

PUERTO RICO
Cabrera Electronic Shop
Andalucia Esq. Algeria 1001
Rio Piedras, Puerto Rico 00920

RHODE ISLAND
Babine Electric Service Inc.
315 Jefferson Blvd.
Warwick, Rhode Island 02888

SOUTH CAROLINA
Mann Electric Repair Co.
2909 Main St.
Columbia, South Carolina 29201

Delta Ind. Electric Co., Inc.
1906 Meeting Street
P.O. Box 622
Charleston, South Carolina 29402

S & F Power Tool Service, Inc.
100 Airport Rd.
Greenville, South Carolina 29606

TENNESSEE
Electric Service Company
3914 McCalla Avenue
Knoxville, Tennessee 37914

Southern Electric Co.
812 Porter Street
Memphis, Tennessee 38126

Allied Electric Motor Co., Inc.
939-4th Avenue, South
Nashville, Tennessee 37210

Dixie Industrial Service, Inc.
2108 E. Main St.
Chattanooga, Tenn. 37404

TEXAS
G. E. Jones Electric Co., Inc.
212 No. Polk
Amarillo, Texas 79107

UTAH
Diamond Electric Motor Service
1465 South Second West Street
Salt Lake City, Utah 84104

VIRGINIA
Bryan Electric Company
424 West 25th St.
Norfolk, Virginia 23517

Roy's Electric Motor Service, Inc.
3201 Norfolk Street
Richmond, Virginia 23230

Lloyd Electric Company, Inc.
521 West Salem Ave.
Roanoke, Virginia 24016

WASHINGTON
K & N Electric Motors, Inc.
1311 No. Washington Street
Spokane, Washington 99201

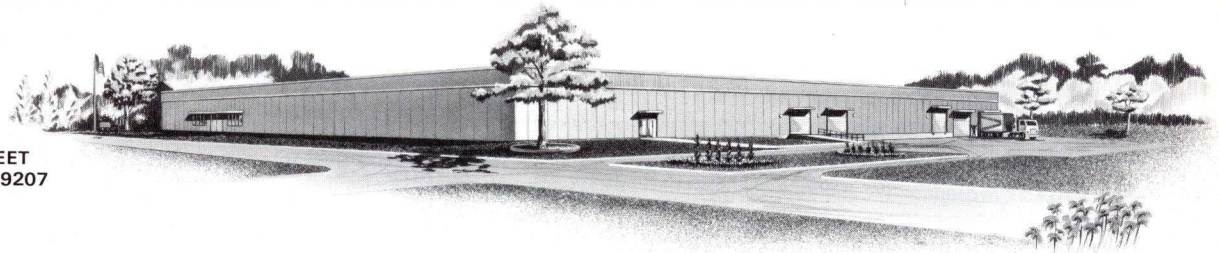
Cooper Electric Motor Service Co.
205 South 4th Avenue
Yakima, Washington 98902

MILWAUKEE ELECTRIC TOOL CORPORATION

MANUFACTURING FACILITIES:

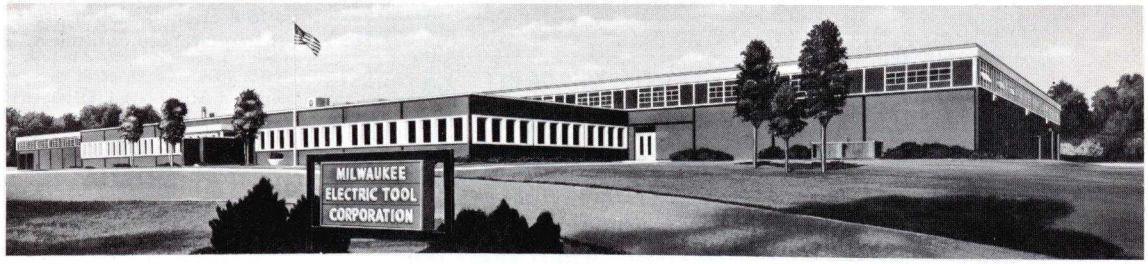
FACTORY

4355 MILWAUKEE STREET
JACKSON, MISSISSIPPI 39207



FACTORY AND HOME OFFICE

13135 W. LISBON RD.
BROOKFIELD, WI 53005
PHONE:
AREA CODE (414) 781-3600



CANADIAN SUBSIDIARY

MILWAUKEE ELECTRIC TOOL
(CANADA) LTD.
383 MIDWEST RD.,
SCARBOROUGH, ONTARIO
M1P3A6

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HEAVY-DUTY TOOLS

FEATURE HIGHEST QUALITY MATERIALS AND WORKMANSHIP

AUTHORIZED SALES

MILWAUKEE Electric Tools are sold only through Authorized Distributors with experienced personnel to assist you in selecting the proper tools for your specific requirements. You derive a real advantage in buying from your MILWAUKEE Distributor. He not only maintains well balanced inventories of tools for immediate shipment, but places at your disposal the services of his trained and experienced personnel to advise you on special product applications.

TESTED-LISTED

MILWAUKEE Heavy-Duty Tools bearing monograms of Underwriters' Laboratories, Inc., or Canadian Standards Association are listed by their laboratories for industrial use.

SAFETY SEAL

The Milwaukee Electric Tool Corporation is a member of the Power Tool Institute and is authorized to display that organization's safety seal. MILWAUKEE assures its users of its concern for their safety as well as the safe application of its products by supporting and adhering to the principles for which the Safety Seal stands: 1. That the manufacturer's power tools including the particular tool associated with the Seal, are produced in accordance with applicable Standards for Safety of Underwriters' Laboratories and American National Standards (ANSI). 2. That compliance with applicable safety standards is assured by independent inspection and testing conducted by Underwriters' Laboratories (UL). 3. That every motorized tool is inspected under power. 4. That every tool has with it adequate instructions and a list of safety rules for the protection of the user. 5. That the tool manufacturer is a member of the Power Tool Institute and is a sponsor of the Institute's Consumer Safety Education Program.

GUARANTEE

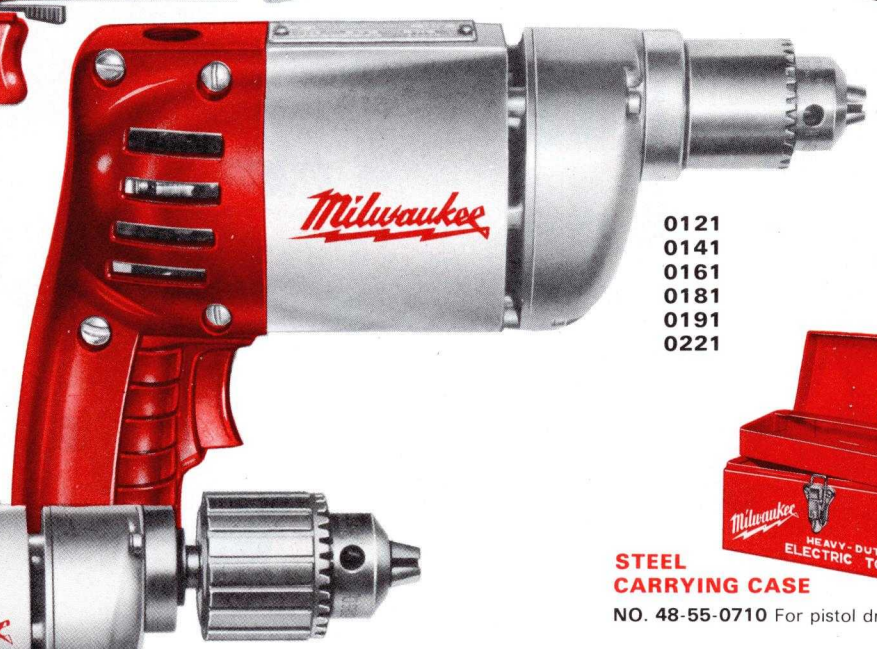
Every MILWAUKEE Tool is thoroughly inspected and tested before leaving the factory. It is guaranteed against defective workmanship and materials. Should any trouble develop, return the COMPLETE tool prepaid to the Factory, Branch or nearest Authorized MILWAUKEE Service Station. If inspection shows trouble is caused by defective workmanship or material, all repairs will be made without charge and the tool returned, transportation prepaid. The guarantee does not apply where: Repairs or attempted repairs have been made by persons other than Factory, Branch or Authorized Service Station personnel; repairs are due to normal wear; the tool has been abused or in an accident; misuse is evident — caused by overloading the tool beyond its rated capacity, use of the tool after partial failure or use with improper accessories. No other guarantee, written or verbal, is authorized.

HEAVY-DUTY HOLE-SHOOTERS

MILWAUKEE heavy-duty Hole-Shooters are available in a wide variety of capacities and speeds to meet your specific drilling requirements. Comfortable pistol grip handles of durable glass reinforced nylon designed to withstand the roughest service. Hole-Shooters are engineered to give dependable performance and long life. In addition to constant speed models, three models are also available to provide complete speed control from zero to tool's maximum RPM. Heavy-duty MILWAUKEE-built motors, lockable trigger switches and industrial, geared, key-type chucks with rubber-flex key holders.

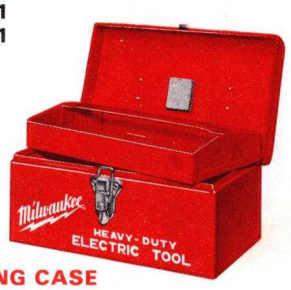
0101

0102-1
TRIGGER SPEED CONTROL WITH REVERSING SWITCH



0121
0141
0161
0181
0191
0221

0122-1
0222-1
TRIGGER SPEED CONTROL WITH REVERSING SWITCH



STEEL CARRYING CASE
NO. 48-55-0710 For pistol drills.

RIGHT ANGLE DRIVE UNIT
NO. 48-06-2890

Compact, closely coupled, ideal for drilling in tight spots. Available for all drills except NOS. 0101, 0102-1, 0141, 0161, 0122-1 and 0222-1. Chuck not included.

AUXILIARY SIDE HANDLE
NO. 49-15-0100

For drills listed in chart at right only.

TYPE "A" GREASE

NO. 49-08-0500 1/2 LB. CAN
NO. 49-08-0800 1 LB. CAN

CATALOG NUMBER	CAPACITY (INCHES) IN STEEL	VOLTS	SPINDLE DIAMETER AND THREAD	SPEED (NO LOAD) RPM	GEAR TRAIN	LENGTH (INS.)	NET WGT. (LBS.)	SHP. WGT. (LBS.)
0101	1/4	115	3/8-24	2500	SINGLE	8-3/8	3-1/2	6
0102-1	1/4	115 AC ONLY	#1 J.T.*	0-2500	SINGLE	8-3/8	3-1/2	6
0120•	1/4	115	3/8-24	2000	DOUBLE	9-1/2	3-3/4	6
0121	1/4	115	3/8-24	2000	DOUBLE	8-3/4	3-3/4	6
0141	1/4	115	3/8-24	3500	DOUBLE	8-3/4	3-3/4	6
0161★	1/4	115	3/8-24	5000	DOUBLE	8-3/4	3-3/4	6
0181	1/4	115	3/8-24	2500	DOUBLE	8-3/4	3-3/4	6
0191	1/4	115	3/8-24	1700	DOUBLE	8-3/4	3-3/4	6
0220•	3/8	115	3/8-24	650	DOUBLE	10-1/4	4	7
0221	3/8	115	3/8-24	650	DOUBLE	9-1/2	4	7
0122-1	1/4	115 AC ONLY	#1 J.T.*	0-2000	DOUBLE	8-3/4	3-3/4	6
0222-1	3/8	115 AC ONLY	#2 J.T.*	0-1000	DOUBLE	9-1/2	4	7

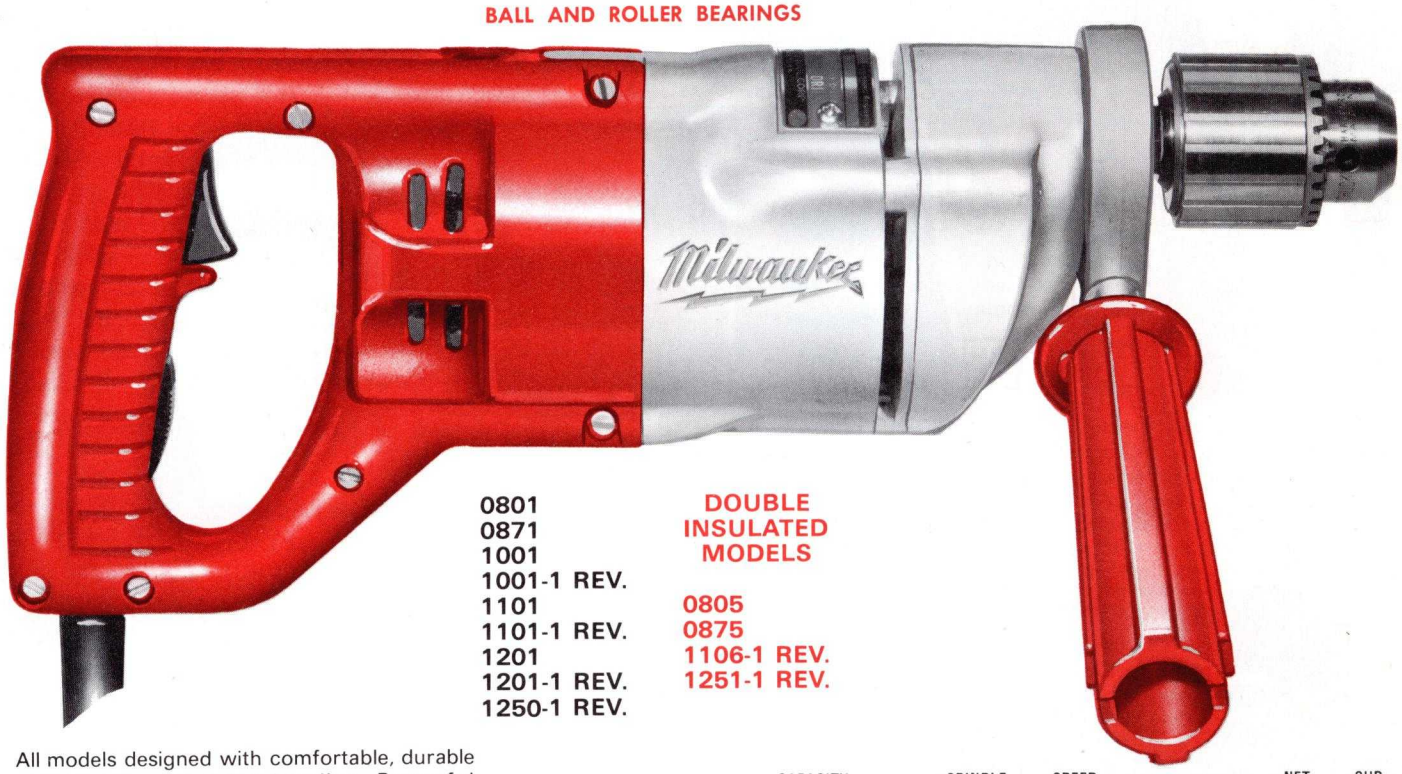
• Aluminum handle model (not illustrated).
★ Recommended only for drilling skin aluminum and other non-ferrous metals.
* Jacobs Taper Spindle.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

HEAVY-DUTY HOLE-SHOOTERS

These D-Handle Drills with powerful MILWAUKEE motors are built for rugged performance and many years of useful service. They are known for their ability to stand up under full load at their maximum rating and for handling a wide variety of applications. Models with multiple gear reduction have greater torque output . . . gears transmit smooth, efficient power. The switch for models with reversible motors is conveniently located below the trigger switch. All have heat-treated, helical-cut alloy steel gears and hardened shafts, industrial, geared, key-type chuck, rubber flex key holder, and a 360° adjustable side handle.

BALL AND ROLLER BEARINGS



0801
0871
1001
1001-1 REV.
1101
1101-1 REV.
1201
1201-1 REV.
1250-1 REV.

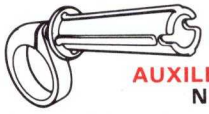
DOUBLE INSULATED MODELS

0805
0875
1106-1 REV.
1251-1 REV.

All models designed with comfortable, durable glass reinforced nylon handles. Powerful MILWAUKEE-built motors deliver maximum power for the toughest jobs . . . with speeds and capacities to meet almost any production requirement.

DOUBLE INSULATED MODELS

New armature construction provides extra layer of insulation between the electrical windings and the spindle. Double insulated against internal and external electrical hazards. Two prong plug fits any 115 or 120 volt receptacle.



AUXILIARY SIDE HANDLE
NO. 49-15-0200

Same as furnished with above drills. For D-Handle drills only.

TYPE "A" GREASE
NO. 49-08-0500 1/2 LB. CAN
NO. 49-08-0800 1 LB. CAN

SEE PAGE 7 FOR RIGHT ANGLE DRIVE KITS AND RIGHT ANGLE DRIVE UNITS.

	CATALOG NUMBER	CAPACITY (INCHES) IN STEEL	VOLTS	SPINDLE DIAMETER AND THREAD	SPEED NO LOAD RPM	GEAR TRAIN	LENGTH (INS.)	NET WGT. LBS.	SHP. WGT. LBS.
	0801	1/4"	115	1/2"-20	1800	Dbl.	13-1/4"	5-3/4	9
	0871	3/8"	115	1/2"-20	1350	Dbl.	13-7/8"	6-1/2	10
	1001	1/2"	115	1/2"-20	600	Dbl.	13-7/8"	6-1/4	10
	1001-1 REV.	1/2"	115	1/2"-20	600	Dbl.	14-1/8"	6-1/4	10
	1101	1/2"	115	1/2"-20	500	Trpl.	14-1/4"	6-1/2	10
	1101-1 REV.	1/2"	115	1/2"-20	500	Trpl.	14-1/8"	6-3/4	10-1/2
	1201	1/2"	115	1/2"-20	350	Trpl.	14-1/4"	6-1/2	10
	1201-1 REV.	1/2"	115	1/2"-20	350	Trpl.	14-1/8"	6-3/4	10-1/2
	1250-1 REV.	*	115	1/2"-20	950	Dbl.	14-1/8"	6-1/2	10
DOUBLE INSULATED MODELS	**0805**	1/4"	115	1/2"-20	1800	Dbl.	13-1/4"	5-3/4	9
	0875	3/8"	115	1/2"-20	1350	Dbl.	13-7/8"	6-1/2	10
	1106-1 REV.	1/2"	115	1/2"-20	500	Trpl.	14-1/8"	6-3/4	10-1/2
	1251-1 REV.	*	115	1/2"-20	950	Dbl.	14-1/8"	6-1/2	10

NOTE: Abbreviation "Rev." following Catalog No. indicates reversing motor.
* 3/8" capacity with 1/2" chuck for fast wood boring.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

RIGHT ANGLE DRILL KITS/UNITS

1/2" DRILL WITH RIGHT ANGLE DRIVE
Head and handle swivel 360° and can be locked tight in any position.

PLUMBERS KITS

NO. 3101 Kit contains NO. 1101, 500 RPM Heavy-Duty 1/2" drill with glass reinforced nylon handle, NO. 48-06-2870 Right Angle Drive, 1-1/8" Auger Bit, 2-9/16" Selfeed Bit, wrench, chuck remover bar, side handle and steel carrying case.

NO. 3101-1 Same as above except with NO. 1101-1, 500 RPM Heavy-Duty 1/2" reversing drill with glass reinforced nylon handle, and NO. 48-06-2871 reversing Right Angle Drive.

NO. 3106-1 Kit contains Double Insulated NO. 1106-1, 500 RPM Heavy-Duty 1/2" reversing drill with glass reinforced nylon handle, NO. 48-06-2871 reversing Right Angle drive, 1-1/8" Auger Bit, 2-9/16" Selfeed Bit, wrench, side handle, chuck remover bar and steel carrying case.

NO. 3201-1 Same accessories as above except NO. 1201-1, 350 RPM Heavy-Duty 1/2" reversing drill with glass reinforced nylon handle and NO. 48-06-2871 reversing Right Angle Drive.

ELECTRICIANS KITS

NO. 3001-1 Kit contains NO. 1001-1, 600 RPM Heavy-Duty 1/2" reversing drill with glass reinforced nylon handle, NO. 48-06-2871 reversing Right Angle Drive, 3/4" bit, wrench, chuck remover bar, side handle and steel carrying case.

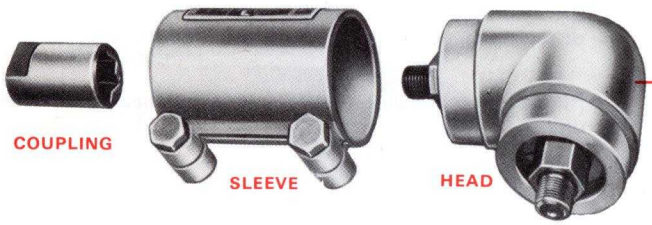
NO. 3251-1 Same as above kit, except with Double Insulated NO. 1251-1, 950 RPM Heavy-Duty reversing drill with glass reinforced nylon handle and 3/4" ship auger bit. Has 3/8" capacity with 1/2" chuck for fast wood boring.

See preceding page for specifications on 1/2" Hole-Shooters included in these kits.

RAD UNIT SPEEDS

KIT CATALOG NO.	WITH DRILL	RPM LOW SIDE	RPM HIGH SIDE	SHP. WT. LBS.
3001-1 Rev.	1001-1	400	900	21
3101	1101	335	750	25
3101-1 Rev.	1101-1	335	750	25
3106-1 Rev.†	1106-1	335	750	25
3201-1 Rev.	1201-1	230	525	25
3251-1 Rev.†	1251-1	630	1425	25

NOTE: Abbreviation "Rev." following Catalog No. indicates reversing motor.
†Double Insulated Tool



RIGHT ANGLE DRIVE UNIT

Used extensively for drilling between joists, studding, in tight corners or in close quarters on machinery equipment. Provides two additional drilling speeds. Chuck transferred from drill to LOW spindle of right angle unit reduces drills normal speed by 1/3 and increases drilling torque by 50%. Chuck transferred to opposite spindle of right angle unit increases speed by 50%.

NO. 48-06-2870 For drills with non-reversing motors. Drill or chuck not included. Net Wgt. 2 lbs. Shp. Wgt. 3 lbs.

NO. 48-06-2871 For drills with reversing motors.

CHOICE OF THREE DRILLING SPEEDS

DRILL CATALOG NO.	RPM DRILL ONLY	RPM WITH RAD LOW SIDE	RPM WITH RAD HIGH SIDE
0801	1800	1200	2700
0805†	1800	1200	2700
0871	1350	900	2025
0875†	1350	900	2025
1001	600	400	900
1001-1 Rev.*	600	400	900
1101*	500	335	750
1101-1 Rev.*	500	335	750
1106-1 Rev.†*	500	335	750
1201*	350	230	525
1201-1 Rev.*	350	230	525
1250-1 Rev.*	950	630	1425
1251-1 Rev.†*	950	630	1425

†Double Insulated Tool

*Catalog No. 48-95-0400 Extension and Catalog No. 48-06-2860 33° Angle Drive is adaptable to these reversing and non-reversing drills.

NOTE: "Rev." following catalog no. indicates reversing motor.

NO. 48-06-2860 33° ANGLE DRIVE KIT

Stretches drilling reach up to 30 inches. Permits easy drilling of up to 2-9/16" dia. holes. Kit consists of an extension tube, side handle, drive shaft with hex sockets on both ends, two clamping collars and a 33° Angle Drive unit. See chart at left for proper drills to use with this kit. Use 33° Angle Drive with the 30" extension only. 33° angle units operate at the same speed as the drill powering them.

NO. 48-95-0400 30" EXTENSION

30" extension available separately for use with MILWAUKEE RAD units NOS. 48-06-2870 and 48-06-2871. Unit comes complete with 30" extension tube, drive shaft with hex socket on both ends and two clamping collars. Purchase RAD unit separately. See chart at left for proper drills to use with the extension.

NO. 48-55-0085 STEEL CARRYING CASE For D-Handle Right Angle Drills. When ordered separately.

TYPE "A" GREASE **NO. 49-08-0500** 1/2 Lb. Can
NO. 49-08-0800 1 Lb. Can

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

HEAVY-DUTY HOLE HAWGS

2 MODELS

SINGLE SPEED 900 RPM

TWO SPEED 1200 and 300 RPM

BOTH MODELS WITH REVERSING MOTOR

Compact design for drilling between studs and joists. Power and torque to handle up to 4-5/8" Selfeed Bits. All models have .75 H.P.*, ball and roller bearings and weigh only 10-1/2 lbs.

* Maximum tool power output.

TRIPLE REDUCTION GEARING
Hardened alloy steel gears provide powerful torque for toughest boring and drilling jobs.

3 POSITION SPADE HANDLE
For good leverage in any position.

2 POSITION PIPE HANDLE
Can be used on either side of motor housing for better control.

2 SPEED GEAR SHIFT
(Models 1675-1 Rev. and 1676-1 Rev.)
Extends the range of practical applications . . . 1200 rpm for smaller holes . . . 300 rpm for tough, big-hole boring.

HEAVY-DUTY 3 JAW INDUSTRIAL GEARED CHUCK

KEYED ALUMINUM HOUSINGS
For perfect shaft alignment and true running.

EXTERNAL BRUSH CAPS
Brushes easily accessible from outside of tool for inspection or replacement.

HEAVY-DUTY .75 H.P. MOTOR
Rugged, dependable drilling power unmatched in any compact drill.

CYCLONIC AIR COOLING
Large fan directs air around every vital part for cool, efficient operation. Air exhausted through front vents and away from operator.

REVERSING SWITCH
Conveniently located beneath trigger switch for easy removal of cocked or jammed bits from work.

TRIGGER SWITCH LOCK
For continuous operation.

FUNCTIONAL DESIGN
Puts force in line with chuck.

STEEL CARRYING CASE
(When ordered separately)
NO. 48-55-0110

TYPE "C" GREASE
1 lb. can
NO. 49-08-1000

115 VOLTS

CATALOG NUMBER	SPEED	NO LOAD RPM	CAPACITY WOOD	CAPACITY STEEL	SPINDLE DIAMETER AND THREAD	GEAR TRAIN	NET WEIGHT LBS.	SHP. WEIGHT LBS.
1670-1 Rev.	High	900	1-1/2" (A) & (B) 2-9/16" (C)	7/16"	5/8"-16	Trpl.	10-1/2	16
1671-1 Rev.	Same as above but with steel carrying case							24
1675-1 Rev.	High	1200	1-1/8" (A) 1-1/4" (B) 1-3/8" (C)	5/16"	5/8"-16	Trpl.	10-1/2	16
	Low	300	1-1/2" (A) & (B) 4-5/8" (C)	1/2"				
1676-1 Rev.	Same as above but with steel carrying case							24

(A) AUGER (B) SHIP AUGER (C) SELFEED BIT

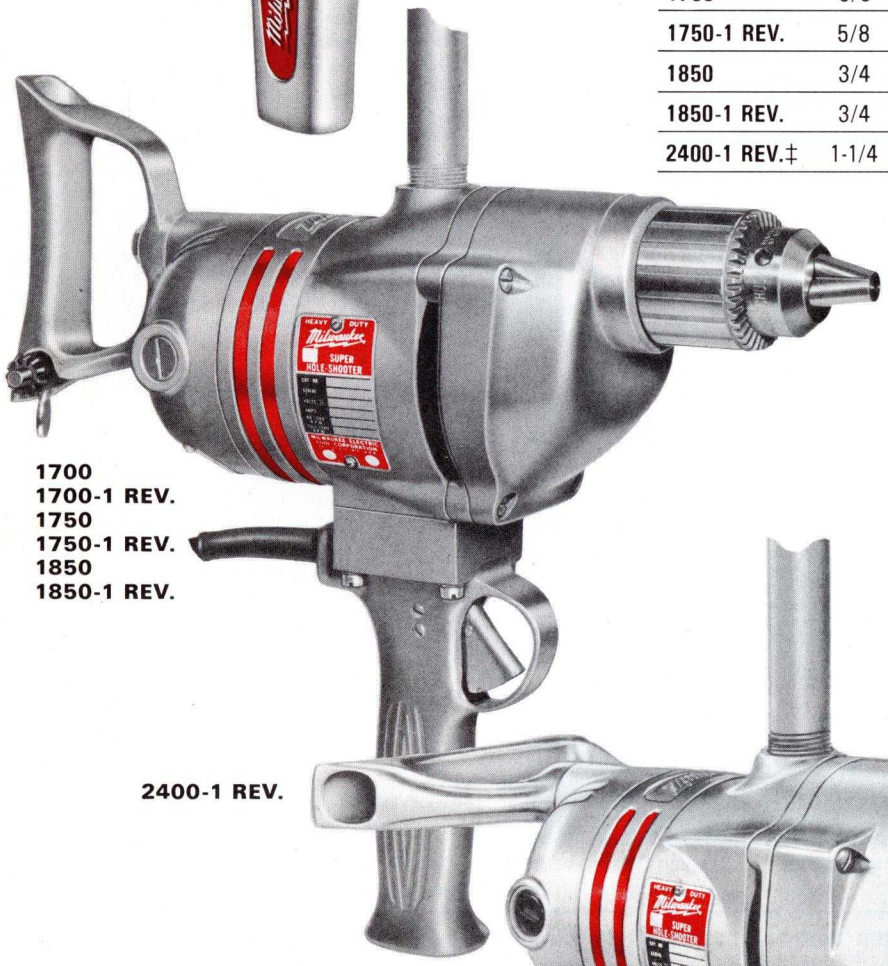
MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

HEAVY-DUTY SUPER HOLE-SHOOTERS

CATALOG NUMBER	CAPACITY (INCHES) IN STEEL	VOLTS	SPINDLE DIAMETER AND THREAD	SPEED (NO LOAD) RPM	GEAR TRAIN	LENGTH (INS.)	NET WGT. (LBS.)	SHP. WGT. (LBS.)
1600	1/2	115	1/2"-20	600	Dbl.	12-1/4	9-1/2	13
1600-1 REV.	1/2	115	5/8"-16	600	Dbl.	12-1/4	9-1/2	13
1620-1 REV.	3/8 w1/2 chuck	115	5/8"-16	†900	Dbl.	12-1/4	9-1/2	13
1650	1/2	115	1/2"-20	450	Trpl.	12-1/4	9-1/2	13
1650-1 REV.	1/2	115	5/8"-16	450	Trpl.	12-1/4	9-1/2	13
1700	1/2	115	5/8"-16	600	Dbl.	16	14-3/4	19
1700-1 REV.	1/2	115	#6 J.T.*	600	Dbl.	16	14-3/4	21
1750	5/8	115	5/8"-16	525	Trpl.	16-1/2	15-3/4	20
1750-1 REV.	5/8	115	#3 J.T.*	525	Trpl.	16-1/2	15-3/4	22
1850	3/4	115	5/8"-16	400	Trpl.	16-1/2	16-3/4	20
1850-1 REV.	3/4	115	#3 J.T.*	400	Trpl.	16-1/2	16-3/4	22
2400-1 REV.‡	1-1/4	115	•	250	Trpl.	16-3/4	21-1/2	26

"Rev." after Catalog No. indicates reversing type motor.
*Jacobs Taper Spindle.
†For fast, deep hole drilling with auger bits.
•With No. 3 Internal Morse Taper Socket.
‡To adapt a 3/4" capacity chuck to 2400-1 Drill with No. 3 Internal Morse Taper Socket, specify Chuck No. 48-66-2000 and Arbor No. 48-07-0100.

1600
1600-1 REV.
1620-1 REV.
1650
1650-1 REV.



1700
1700-1 REV.
1750
1750-1 REV.
1850
1850-1 REV.

2400-1 REV.

BALL AND ROLLER BEARINGS

Milwaukee

MILWAUKEE 1924 50 1974 ELECTRIC TOOL

1-1/4" CAPACITY SUPER HOLE-SHOOTER

MILWAUKEE'S largest and most powerful Drill. Extra long switch handle and pipe handle afford maximum leverage for drilling or reaming large holes. Triple reduction, helical gearing transmits tremendous torque. Furnished with No. 3 Internal Morse Taper Socket.

TYPE "A" GREASE

NO. 49-08-0500 1/2 Lb. Can
NO. 49-08-0800 1 Lb. Can

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

HEAVY-DUTY ELECTROMAGNETIC DRILL PRESSES

DRILLING • TAPPING • REAMING 1/2", 3/4", 1-1/4" CAPACITIES

• NEW adjustable unit permits 3/4" lateral movement and 20° swivel, left or right. • Use on vertical, horizontal and overhead applications. • NEW, safety color-coded control panel makes it necessary to push 2 buttons to turn off magnet. • NEW threaded receptacle from stand to drill motor prevents accidental pull out. • Stronger drill point pressures have been increased to 1300 lbs. on the medium unit and to 2000 lbs. on the large and adjustable units. • NEW balanced design . . . will not tip forward when de-energized even with largest drill motor.

SINGLE OR TWO SPEED DRILLS

Single speed, MILWAUKEE-built Drills available in 1-1/4", 3/4" and 1/2" capacities at speeds of 350, 400 and 450 RPM respectively. All models furnished with reversing motors . . . triple gear reduction for maximum torque . . . all ball and roller bearings. Two speed drills have all the advantages of the single speed models plus greater versatility in speed and drilling power. One with speeds of 375 and 750 RPM . . . the other with speeds of 250 and 500 RPM. Low speed for large hole boring, tapping and reaming . . . high speed for small hole drilling. 115 volts, AC only.

CONVERSION KITS

Conversion kits are available to convert previous drill motor models to work with the new Magnetic Bases. Conversion kits designed to adapt the new drill motor models to the old style stands are also available. See your Milwaukee Service Station for complete information.

6' LENGTH SAFETY CHAIN No. 48-58-0080

Same as furnished with unit. (When ordered separately.)

TYPE "A" GREASE FOR SINGLE SPEED
NO. 49-08-0500 1/2 Lb. Can
NO. 49-08-0800 1 Lb. Can

TYPE "C" GREASE FOR TWO SPEED
NO. 49-08-1000 1 Lb. Can

STAND CAT. NO.	DRILL CAT. NO.	CAPACITY DRILL	CAPACITY TAP†	CHUCK OR TAPER	NO LOAD RPM	DRILL STAND DIMENSIONS HT.	W.	L.	▲DRILL POINT PRESSURE LBS.	NET WGT. STAND ONLY LBS.	COMB. NET WGT. STAND AND DRILL LBS.
4201	**4252-1•**	1/2"	5/8"-18‡	Chuck	450	15"	4-1/4"	11"	1300	41	47
MED.	**4262-1**	3/4"	7/8"-9	Chuck	400	15"	4-1/4"	11"	1300	41	60
RECT.	**4282-1•**	1-1/4"	7/8"-9	No. 3MT	350	15"	4-1/4"	11"	1300	41	59
BASE	**4292-1***	1-1/4"	7/8"-9	No. 3MT	750-375	15"	4-1/4"	11"	1300	41	63
	4297-1*	1-1/4"	7/8"-9	No. 3MT	500-250	15"	4-1/4"	11"	1300	41	63
4221	**4262-1**	3/4"	3/4"-16	Chuck	400	17-1/4"	5-1/4"	14"	2000	58	77
LARGE	**4282-1•**	1-1/4"	3/4"-16	No. 3MT	350	17-1/4"	5-1/4"	14"	2000	58	76
RECT.	**4292-1***	1-1/4"	3/4"-16	No. 3MT	750-375	17-1/4"	5-1/4"	14"	2000	58	80
BASE	**4297-1***	1-1/4"	3/4"-16	No. 3MT	500-250	17-1/4"	5-1/4"	14"	2000	58	80
4231	**4262-1**	3/4"	3/4"-16	Chuck	400	17-1/4"	5-1/4"	14"	2000	60	79
LARGE	**4282-1•**	1-1/4"	3/4"-16	No. 3MT	350	17-1/4"	5-1/4"	14"	2000	60	78
ADJ.	**4292-1***	1-1/4"	3/4"-16	No. 3MT	750-375	17-1/4"	5-1/4"	14"	2000	60	82
BASE	**4297-1***	1-1/4"	3/4"-16	No. 3MT	500-250	17-1/4"	5-1/4"	14"	2000	60	82

ELECTROMAGNETIC DRILL STAND SPECIFICATIONS

Drill Stands and Drills are packaged and priced separately. When ordering, specify catalog numbers of both Drill Stand and Drill. Assembly of Drill to stand is easy. A single heavy-duty cord and plug supplies electrical power to stand and Drill. All Drill Presses are furnished with safety chain . . . a precaution against operator losing control of unit while positioning vertically, overhead or from possible power failure.

11" Drill Travel on bases 4221 and 4231. 9" Drill Travel on base 4201.

FOOTNOTE REFERENCE

* Two speed drills. ▲ Maximum pull on 1" steel plate, less on thinner sheets.
• Drills except Nos. 4252-1 and 4282-1 have dual mount gear case permitting reverse mounting of drill for close-quarter work.
† Maximum tapping capacity is dependent upon variable conditions prevailing, such as material, condition of tap, pitch, type cutting fluid, etc.
‡ 5/8"-11 or 1/2"-13 taps not recommended.

NOTE . . . To adapt a 3/4" capacity chuck to 1-1/4" Drills with No. 3 internal Morse Taper Socket, specify Chuck No. 48-66-2000 and Arbor No. 48-07-0100.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

HEAVY-DUTY DIAMOND DRILLING EQUIPMENT

FOR DIAMOND CORE DRILLING IN CONCRETE • TILE • MASONRY

Dependable, powerful, rugged tools for Contractors, Plumbers, Electricians, Erectors and Maintenance Men. The combination of MILWAUKEE VAC-U-RIG or DYMORIG AND DYMODRILL motors assures easy, quiet, economical diamond core-drilling of smooth, accurate holes in reinforced concrete. Eliminates sleeving, vibration, spalling or patching. This equipment provides the most practical and efficient method of rigidly positioning DYMODRILL motors for maximum on-the-job diamond-drilling performance. Readily portable, they set-up in a few minutes and are easily secured to the floor or wall for vertical or horizontal drilling.

ACCURATE MOUNTING OF MOTOR

Precision machined keyway securely positions DYMODRILL on cradle of VAC-U-RIG. Assures accurate drilling alignment, stability.

VAC-U-RIG®

NOTE

Stands, motors and diamond bits are sold separately. Select a DYMODRILL motor to meet your requirements from page 12. Select DYMOBITS (Diamond Bits) from page 13.

EASY PORTABILITY: 8" rubber wheels are mounted on welded steel base and are off-the-floor when Rig is in use.

VAC-U-RIG® NO. 4110

For use with DYMODRILL motors. Includes stand with wheels and jack screw, vacuum pump, vacuum reserve tank, 2 vacuum pads, ammeter, bubble level, base leveling screws, cradle for mounting drill motor, four spoke wheel feed control, hose and fittings. Overall height 45". Net weight 139 lbs. Shipping weight 160 lbs. Less DYMODRILL motor and DYMOBIT (Diamond Bit).

VAC-U-RIG® NO. 4111 (Less All Vacuum Components)

For use with DYMODRILL motors. Includes stand with wheels, jack screw, base leveling screws, bubble level, cradle for mounting drill motor and four spoke wheel feed control. Without vacuum, stand can be mounted to floor or wall with an expansion anchor or braced from the ceiling with telescoping assembly by using the jack screw. Net weight 86 lbs. Shipping weight 104 lbs. Less DYMODRILL motor and DYMOBIT (Diamond Bit).

- **AMMETER** Two color range indicates proper pressure and drilling speed . . . warns against motor overload.
- **BUBBLE LEVEL** Mounted at top of cradle. Base leveling screws provide quick set-up for true drilling.
- **RIGID CONSTRUCTION** Solid steel column and tubular steel stabilizers provide maximum support for unit.
- **VACUUM PADS** 13" diameter pads are cast aluminum with sponge rubber inserts. Vacuum line disconnects provide quick, simple set-up.
- **VACUUM PUMP** Heavy-duty pump develops 3000 lbs. holding force within two 13" diameter vacuum pads.
- **VACUUM RESERVE TANK** Prevents water from entering vacuum pump. Maintains limited vacuum reserve in event of power failure.
- **RACK and PINION FEED** 27" travel—4 spoke wheel control for uniform pressure. Operator feels drilling action of diamond bit.
- **JACK SCREW** Used with Telescoping Assembly (See page 12) when vacuum is not required. Rig can also be anchor mounted thru hole in base.

DYMORIG NO. 4100

For use with DYMODRILL motors (see next page). Balanced . . . easy wheel portability. Rack and pinion feed—24" travel—Operator feels drilling action of bit—3 spoke feed control for uniform drilling pressure — Rugged aluminum base — Rigid stability for accurate, clean holes. Two color range ammeter indicates proper pressure and drilling speed — Jack Screw at top for bracing support to ceiling — Hole in base for anchor mounting — Base Leveling Screws and Bubble Level at top of cradle provide accurate set-up. Cradle and Drill can be removed to lighten for installing base and column. DYMORIG can be used with VAC-U-RIG Attachment Kit. See next page. Net weight 65 lbs. Shipping weight 74 lbs. Less DYMODRILL motor and DYMOBIT (Diamond Bit).

FOR DYMODRILLS and ACCESSORIES and Full Line of DYMOBITS See Pages 12 and 13.

HEAVY-DUTY DYMODRILL EQUIPMENT

FOR USE WITH VAC-U-RIG® AND DYMORIG

SINGLE AND TWO SPEED DYMODRILLS

DYMODRILLS are specially designed for use with MILWAUKEE diamond core drilling rigs. A single speed model is available for bit diameters most commonly used. Two speed models increase versatility for a larger range of bit capacities and have a shift lever on the motor housing to transfer drive gear from one position to another — low speed for larger bits and high speeds for smaller bits. Triple gear reduction and heavy-duty motor produce high torque. All have heat-treated, helical-cut steel gears, ball and roller bearings, and shear pin at the spindle to protect gears and motor against overload.

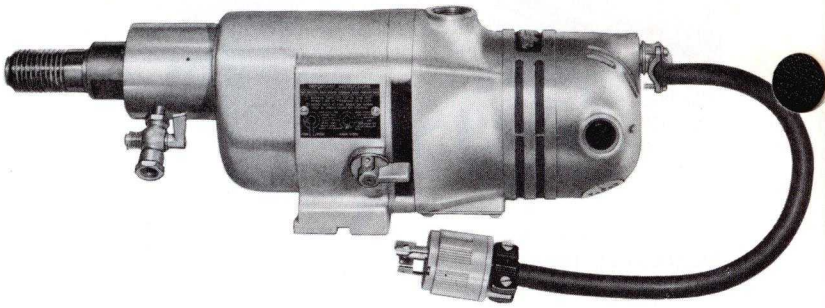
SPECIFICATIONS

Spindle Thread Size All Models 1-1/4"-7".

Capacity ranges listed on specific models are for maximum drilling efficiency. All models can also be used for other diameters. For 9" and 10" diameter holes, use Spacer with Key Catalog No. 49-67-0050 and low speed DYMODRILLS.

STANDARD EQUIPMENT includes built-in water swivel, 8 ft. length of 3/8" heavy-duty rubber water hose complete with fittings and water control valve, extra shear pins, also an open end wrench for removing bits.

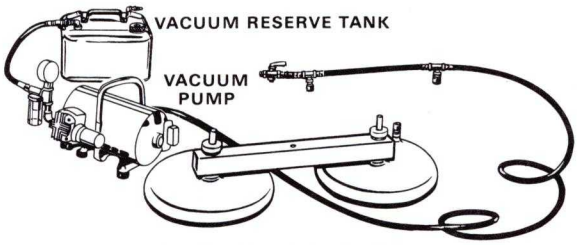
MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS



CATALOG NUMBER	SPEED RPM	VOLTS	SUGGESTED DRILLING CAPACITY	NET WGT. LBS.	SHP. WGT. LBS.
		SINGLE SPEED			
3940	500	115 AC ONLY	3" TO 5"	20	25
		TWO SPEED			
4030	375 750	115 AC ONLY	5" TO 8" 2-1/2" TO 5"	24	32
4035	500 1000	115 AC ONLY	3" TO 5" 1-1/4" TO 3"	24	32

SPACER WITH KEY

NO. 49-67-0050 Allows use of bits thru 10" diameter. Spacer 1" thick, fits between cradle of Rig and Drill. Four mounting screws included.



VAC-U-RIG® ATTACHMENT KIT

WATER COLLECTOR PUMP
WATER COLLECTOR RING
FOR BITS THROUGH 8" DIA.

WATER TANK

TELESCOPING EXTENSION ASSEMBLY

VAC-U-RIG® ATTACHMENT KITS

Complete vacuum assemblies consisting of two 13" diameter suction pads, cross-bar, vacuum pump assembly with switch, gauge, filter, vacuum reserve tank, air hose and fittings.

NO. 49-22-7050 for use only with Catalog No. 4100 DYMORIG. Converts to vacuum mounting. Net Wt. 65 lbs. Shp. Wt. 70 lbs.

NO. 49-22-7060 for use with stand only — Catalog No. 4111. Same as furnished as standard with VAC-U-RIG Catalog No. 4110. Net Wt. 59 lbs. Shp. Wt. 64 lbs.

VACUUM RESERVE TANK

NO. 49-76-0060 Heavy-duty 3-1/2 gallon tank with 2 male disconnects and hose assembly. Same as furnished with VAC-U-RIG. Shp. Wt. 9 lbs.

VACUUM PUMP AC ONLY

NO. 49-50-0115 Heavy-duty 1/6 H.P. pump complete with vacuum gauge, air filter, switch and cord. Same as furnished with VAC-U-RIG. Net Wt. 25 lbs. Shp. Wt. 27 lbs.

WATER COLLECTOR RING

NO. 48-70-0050 For use where water flow from drilling operation must be trapped and drained. Dike-type collector ring holds water for fast disposal. Used with pump described below. Shp. Wt. 6 lbs.

WATER COLLECTOR PUMP AC ONLY

NO. 49-50-0050 Small heavy-duty pump of balanced impeller design, driven by 115 volt enclosed motor. Pumps out excess trapped water — abrasive-proof and quiet running. Furnished with reinforced plastic flexible hose. Shp. Wt. 12 lbs.

WATER TANK

NO. 49-76-0050 3-1/2 gal. pressure type made of heavy gauge galvanized steel. For use where regular tap water supply is not available. Shp. Wt. 8 lbs.

TELESCOPING EXTENSION ASSEMBLY

NO. 48-95-1000 Braces unit between floor and ceiling for maximum rigidity. Fixed hole adjustments. Assembly adjusts to 14 foot ceilings. Fractional take up between fixed settings made with jack screw at top of DYMORIG. Shp. Wt. 33 lbs.

RUBBER WATER HOSE

NO. 49-18-0050 8' long 3/8" ID as furnished with all DYMODRILLS.

3/16" SOCKET WRENCH

NO. 49-96-0085 For mounting DYMODRILLS to cradle of VAC-U-RIG.

1-3/8" OPEN END WRENCH

NO. 49-96-4700 For DYMODRILLS listed above.

GREASE TYPE "A" FOR SINGLE SPEED MODEL

NO. 49-08-0500 1/2 Lb. Can
NO. 49-08-0800 1 Lb. Can

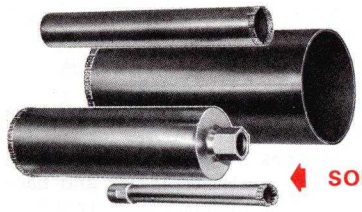
GREASE TYPE "C" FOR TWO SPEED MODELS

NO. 49-08-1000 1 Lb. Can

Milwaukee

MILWAUKEE 1924 50 1974 ELECTRIC TOOL

HEAVY-DUTY DYMOBITS



OPEN BACK

SOLID BACK

HARD AGGREGATE DIAMOND CORE BITS

DYMOBITS are designed to assure maximum cutting efficiency at minimum cost. Great concentration and orientation of the finest industrial diamonds set in a long wearing tungsten carbide matrix assures increased drilling footage even in extremely hard materials or heavily reinforced concrete. Drill bit tubes are precision machined and double cadmium plated.

4 TYPES AVAILABLE

GENERAL PURPOSE — OPEN AND SOLID BACK

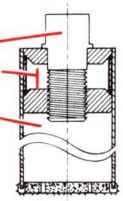
For general core drilling in reinforced concrete, tile, masonry and marble. Diamonds are surface set in the matrix. Functionally designed waterways properly spaced in the matrix allow water to flush out cuttings, provide heat dissipation for long bit life.

RED CROWN — OPEN AND SOLID BACK

With diamond impregnated matrix for coring pre-stressed or reinforced concrete and other hard or highly abrasive materials. Diamond saturated matrix maintains uniform cutting efficiency for more footage, longer life and lower cost.

EXPANSION ADAPTERS FOR OPEN BACK DYMOBITS

Split ring expands against bit sleeve as threaded part of adapter is drawn up.



For use with bits 1-1/4" and larger. Self-centering, 3 piece friction drive — for easy positioning of bit sleeve and bit removal. Expansion adapters are reusable for new bits of the same size. By removing the sleeve from the adapter, an occasional lodged core can be removed from the back of the bit preventing damage to the crown.

SOLID BACK DYMOBITS

The welded adapter is an integral part of the Solid Back Bit. Precision machined and centered, the end of the adapter is threaded and milled flats are provided for easy removal of DYMOBIT from the spindle of Drill with open end wrench.

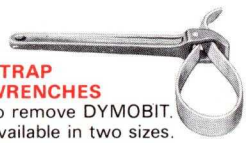
THREADED ADAPTER NO. 48-04-0150

Reduces thread size of 1-1/4"-7 to 7/8"-14 or 1/2"-20 for DYMOBITS. Used on DYMODRILLS listed in table on page 12.

BIT EXTENSIONS

9" BIT EXTENSION NO. 48-95-1500 — For DYMOBITS of 1-3/4" diameter and larger. Both ends are threaded 1-1/4"-7. Two or more extensions can be coupled together for deeper hole drilling. Used on DYMODRILLS listed in table on page 12. 1-3/4" Solid Back bit requires adapter 48-04-0150.

10-1/2" BIT EXTENSION NO. 48-95-2000 — Use with Threaded Adapter No. 48-04-0150 for Open Back DYMOBITS in sizes up to 1-1/2" with 1/2"-20 threaded adapters, and Solid Back DYMOBITS in sizes 1-1/4" thru 1-3/4" with 7/8"-14 thread. Extension threads on 7/8"-14 spindle. Outer end is a two-stage spindle with 7/8"-14 and 1/2"-20 threads. Sizes 1" and smaller should not be used with this extension.



STRAP WRENCHES
To remove DYMOBIT. Available in two sizes.

NO. 49-96-8100 for bits up to 2" diameter.
NO. 49-96-8200 for bits from 2" to 8" diameter.

Milwaukee

MILWAUKEE 1924 Milwaukee 1974 50 ELECTRIC TOOL

FOR SIZES OTHER THAN LISTED, CONTACT FACTORY

NOMINAL BIT SIZE O.D.	OPEN BACK BITS CATALOG NO. GEN. PURPOSE RED CROWN	EXPANSION ADAPTER (REQUIRED) CATALOG NO.	†THREAD SIZE OPEN BACK ADAPTER	†THREAD SIZE SOLID BACK BIT	SOLID BACK BITS CATALOG NO. GEN. PURPOSE RED CROWN
1/4"	(1/4" Bit is non-coring type)			1/2"-20‡	48-16-0250
5/16"				1/2"-20‡	48-16-0310
3/8"				1/2"-20‡	48-16-0370
1/2"	For DYMOBITS 1/4" through 1" dia.			1/2"-20‡	48-16-0500
5/8"	Refer to Solid Back Bits			1/2"-20‡	48-16-0620
3/4"	(Column at Right)			7/8"-14‡	48-16-0750
7/8"				7/8"-14‡	48-16-0870
1"				7/8"-14‡	48-16-1000
1-1/4"	48-16-1251	48-04-1250	1/2"-20‡	7/8"-14‡	48-16-1252
1-1/4"	48-16-1251	48-04-1250	1/2"-20‡	7/8"-14‡	48-16-1256
1-3/8"	48-16-1371	48-04-1370	1/2"-20‡	7/8"-14‡	48-16-1372
1-1/2"	48-16-1501	48-04-1500	1/2"-20‡	7/8"-14‡	48-16-1502
1-1/2"	48-16-1510	48-04-1500	1/2"-20‡	7/8"-14‡	48-16-1512
1-3/4"	48-16-1751	48-04-1750	1-1/4"-7	7/8"-14‡	48-16-1752
1-3/4"	48-16-1751	48-04-1751	1/2"-20‡	7/8"-14‡	48-16-1752
1-3/4"	48-16-1780	48-04-1750	1-1/4"-7	7/8"-14‡	48-16-1752
1-3/4"	48-16-1780	48-04-1751	1/2"-20‡	7/8"-14‡	48-16-1752
2"	48-16-2001	48-04-2000	1-1/4"-7	1-1/4"-7	48-16-2002
2"	48-16-2001	48-04-2001	1/2"-20‡	1-1/4"-7	48-16-2002
2"	48-16-2010	48-04-2000	1-1/4"-7	1-1/4"-7	48-16-2012
2"	48-16-2010	48-04-2001	1/2"-20‡	1-1/4"-7	48-16-2012
2-1/4"				1-1/4"-7	48-16-2253
2-3/8"	48-16-2371	48-04-2370	1-1/4"-7	1-1/4"-7	48-16-2372
2-3/8"	48-16-2371	48-04-2371	1/2"-20‡	1-1/4"-7	48-16-2372
2-1/2"	48-16-2501	48-04-2500	1-1/4"-7	1-1/4"-7	48-16-2502
2-1/2"	48-16-2501	48-04-2501	1/2"-20‡	1-1/4"-7	48-16-2502
2-1/2"	48-16-2510	48-04-2500	1-1/4"-7	1-1/4"-7	48-16-2512
2-1/2"	48-16-2510	48-04-2501	1/2"-20‡	1-1/4"-7	48-16-2512
2-3/4"				1-1/4"-7	48-16-2752
3"	48-16-3001	48-04-3000	1-1/4"-7	1-1/4"-7	48-16-3002
3"	48-16-3010	48-04-3000	1-1/4"-7	1-1/4"-7	48-16-3012
3-1/2"	48-16-3501	48-04-3500	1-1/4"-7	1-1/4"-7	48-16-3502
3-1/2"	48-16-3510	48-04-3500	1-1/4"-7	1-1/4"-7	48-16-3502
4"	48-16-4001	48-04-4000	1-1/4"-7	1-1/4"-7	48-16-4002
4"	48-16-4010	48-04-4000	1-1/4"-7	1-1/4"-7	48-16-4012
4-1/4"	48-16-4251	48-04-4250	1-1/4"-7	1-1/4"-7	48-16-4252
4-1/2"	48-16-4501	48-04-4500	1-1/4"-7	1-1/4"-7	48-16-4502
5"	48-16-5001	48-04-5000	1-1/4"-7	1-1/4"-7	48-16-5002
5"	48-16-5010	48-04-5000	1-1/4"-7	1-1/4"-7	48-16-5012
6"	48-16-6001	48-04-6000	1-1/4"-7	1-1/4"-7	48-16-6002
6"	48-16-6010	48-04-6000	1-1/4"-7	1-1/4"-7	48-16-6012
6-1/4"	48-16-6251	48-04-6250	1-1/4"-7	1-1/4"-7	48-16-6252
7"	48-16-7000	48-04-7000	1-1/4"-7	1-1/4"-7	48-16-7001
8"	48-16-8000	48-04-8000	1-1/4"-7	1-1/4"-7	48-16-8001
9"	48-16-9000	48-04-9000	1-1/4"-7	1-1/4"-7	48-16-9001
10"	48-16-9500	48-04-9500	1-1/4"-7	1-1/4"-7	48-16-9501
11"			1-1/4"-7	1-1/4"-7	48-16-9550
12"	For DYMOBITS 11" through 14"		1-1/4"-7	1-1/4"-7	48-16-9600
13"	Refer to Solid Back Bits		1-1/4"-7	1-1/4"-7	48-16-9650
14"	(Column at Right)		1-1/4"-7	1-1/4"-7	48-16-9700

CORE LENGTH of bit sizes 1/4" through 1/2" is 4", and 12" for all other bit sizes. Core lengths may vary slightly from specified sizes.

All bits 5/8" and larger will cut 12" concrete. Overall lengths vary depending on adapter type and diameter.

†**NOTE** — Check thread size with spindle thread on Drill or refer to specifications for DYMODRILLS. It may be necessary to use a threaded Adapter to fit Drill spindle.

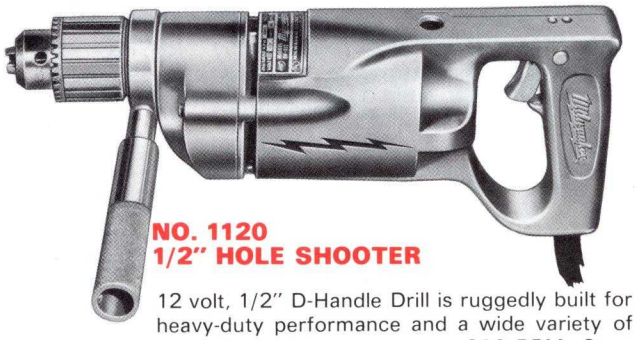
‡When used with Drills with 1-1/4"-7 thread use Threaded Adapter No. 48-04-0150.

HEAVY-DUTY 12 VOLT BATTERY POWERED TOOLS

NO. 0125
1/4" HOLE SHOOTER

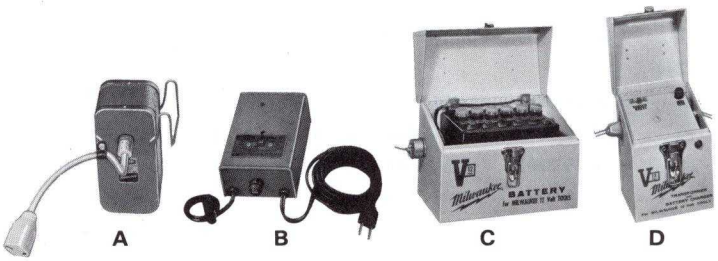
NO. 0225
3/8" HOLE SHOOTER

The 1/4" Drill has a no load speed of 1750 RPM and the 3/8" Drill, 600 RPM. Standard equipment includes industrial, geared, key-type chuck and rubber-flex key holder. Net weight 3-3/4 lbs. Shipping weight 6 lbs.



NO. 1120
1/2" HOLE SHOOTER

12 volt, 1/2" D-Handle Drill is ruggedly built for heavy-duty performance and a wide variety of applications. No load speed is 360 RPM. Standard equipment includes industrial, geared, key-type chuck, rubber-flex key holder and adjustable side handle. Net weight 6-3/4 lbs. Shipping weight 10 lbs.



(A) BELT BATTERY AND CORD (For use with pistol drills only.)
NO. 48-11-0060 10 Volt Nickel-Cadmium Battery (less cord).
Use Adapter Cord NO. 48-76-0090.
NO. 48-76-0090 12" Adapter Cord furnished separately.

(B) CADMIUM BATTERY CHARGER NO. 48-59-0050 For 10 Volt Battery. 14 hour fast charge and 30 hour slow charge. Plug into 115 Volt outlet and connect to battery.

(C) BATTERY AND CARRYING CASE The 12 volt storage battery has a rated capacity of 32 amp. hours. Can be recharged over 400 times. Battery carrying case is wired with outlet for plug-in connection and is used with MILWAUKEE or any 12 volt battery up to 5-1/4" wide, 7-3/4" high and 9" long.
BATTERY NO. 48-11-0050
CARRYING CASE NO. 48-55-0040

(D) TRANSFORMER AND BATTERY CHARGER NO. 48-55-0035 Converts 115V AC line voltage for Battery Powered Tools. Also recharges 12 volt batteries. Includes 6 foot cord for 115 line voltage and 2 foot 12 volt cord used between battery charger and outlet on battery carrying case. For charging other 12 volt batteries the 6 foot cord with battery clips is required.

CORDS FOR ABOVE WHEN ORDERED SEPARATELY
NO. 48-76-0080 6' for 115 v.
NO. 48-76-0070 2' for 12 v.

NO. 48-76-0060 6' CORD WITH BATTERY CLIPS
For connecting 12V tools to 12 volt batteries in motor vehicles, boats, mowers, etc. Use two wire, 10 gauge cord with 2 battery clips and female connection.

NO. 48-76-0050 25' EXTENSION CORD
Can be used with these MILWAUKEE accessories: battery case, cord with battery clips or direct to transformer. Two wire, 10 gauge cord with male and female connections.

When ordering tools without the MILWAUKEE Battery carrying case, the 6 foot cord with battery clips is required. Cat. No. 48-76-0060.

TYPE "A" GREASE
NO. 49-08-0500 1/2 Lb. Can
NO. 49-08-0800 1 Lb. Can

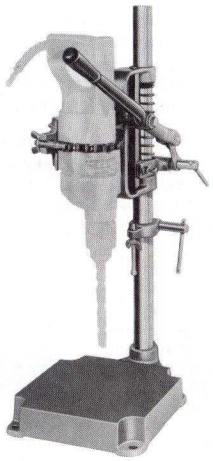
MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

DRILL ACCESSORIES

DRILL STANDS FOR MILWAUKEE HOLE-SHOOTERS

Your MILWAUKEE Electric Drill clamps quickly into a MILWAUKEE Drill Stand to make a powerful and accurate drill press. It provides the leverage for steady, smooth feed. Wide opening between chuck and base accommodates bulky work. An adjustable vertical feed travel can be set for production work. Holes in base for bolting securely to bench.

CATALOG NO. 3520
For 1600 series drills
listed on page 9.



CATALOG NO. 3500
For D-Handle drills listed
on page 6.

CATALOG NO. 3540
For Cat. No. 1700 and
larger listed on page 9.

DRILL STAND SPECIFICATIONS

CATALOG NO.	3500	3520	3540
Height of Post	24"	29-1/2"	36"
Max. Feed	3-1/2"	3-1/2"	5-1/2"
Size of Base	8" x 8"	8" x 8"	10" x 10"
Chuck to Base — Max.	13"	16"	17-1/2"
Chuck to Post	5-1/4"	6-3/8"	6-1/2"
Wgt. Less Drill	21 lbs.	23 lbs.	33 lbs.
Ship. Weight	25 lbs.	25 lbs.	45 lbs.

HEAVY-DUTY DRILL ACCESSORIES

SELFEED BITS

For big hole drilling in wood. For popular pipe sizes. Feed into work without pressure. 7/16" hex shanks have 3 milled flats for secure chuck grip. Side of bit tapered and beveled for easy removal from hole. Inside cutting plane shaves hole radius. Cuts clean, smooth holes. Sizes 1-3/4" and larger have reversible and replaceable double-end feed screw pilots.

LARGE SELFEED BITS

Large SELFEED BITS in 3-5/8" and 4-5/8" sizes have double inside cutter blades and a larger double-end feed screw pilot. Arbors for these 2 sizes can be removed and replaced.

SELFEED BIT SPECIFICATIONS

CATALOG NUMBER	DESCRIPTION	FOR STD. PIPE SIZES
48-25-1120	1-1/8" dia.	1/2"
48-25-1250	1-1/4" dia.	3/4"
48-25-1370	1-3/8" dia.	
48-25-1500	1-1/2" dia.	1"
48-25-1750	1-3/4" dia.	1"
48-25-2120	2-1/8" dia.	1-1/2"
48-25-2250	2-1/4" dia.	—
48-25-2560	2-9/16" dia.	2"
48-28-6850	Dble. Feed Screw Pilot	
49-96-0060	Socket Wrench	
	LARGE SELFEED BITS	
48-25-3620	3-5/8" dia. •	3"★
48-25-4620	4-5/8" dia. ▲	4"★
48-07-0200	Replaceable Arbor	
48-28-6860	Dble. Feed Screw Pilot	
49-96-0070	Socket Wrench	

• For Models 1675-1, 1700 and larger.
▲ For Models 1675-1, 1750 and larger.
★ Cast Iron or Copper Pipe Size.

PLUMBERS BIT KIT

EXTENSION SHANKS

For Selfeed Bits and Auger Bits (1" dia. and larger) with 7/16" hex shank.

EXTENSION COUPLING

ONE PIECE

	LENGTH	CATALOG NO.
Require	5-1/2"	48-28-3112
Coupling	12"	48-28-3115
48-28-0920	18"	48-28-3300
No Coupling	18"	48-28-3400
Required	24"	48-28-3500

PLUMBERS' BIT KIT

A complete assortment of most commonly used MILWAUKEE Bits for BIG-HOLE drilling. Sizes include 7/8", 1-1/8", 1-1/4", 1-1/2" Auger Bits and the famous MILWAUKEE "Selfeed" Bits in 1-3/4", 2-1/8", and 2-9/16" diameters. Also 5-1/2" hex extension shank and coupling, extra double-end feed screw pilot, socket wrench and steel carrying case. Shipping weight 8-1/2 lbs.

BIT KIT (complete) NO. 49-22-0060
CARRYING CASE only NO. 48-55-0030

AUGER BITS

Sizes from 3/4" to 1-1/2"... All 4" twist and 6-1/2" long. 7/16" hex shanks for sure chuck grip. Precision made of special bit steel, heat treated and tempered for long life. Feed screw pilot draws bit into wood. Cutting spurs and lips stay sharp longer.

AUGER BIT SPECIFICATIONS

CATALOG NUMBER	DESCRIPTION	FOR STD. PIPE SIZES
48-13-0750	3/4"x4" Twist	
48-13-0870	7/8"x4" Twist	3/8"
48-13-1000	1"x4" Twist	
48-13-1120	1-1/8"x4" Twist	1/2"
48-13-1250	1-1/4"x4" Twist	3/4"
48-13-1370	1-3/8"x4" Twist	
48-13-1500	1-1/2"x4" Twist	1"

FLAT BORING BITS

• 3 MILLED FLATS FOR SECURE CHUCK GRIP
• 1/4" to 1-1/2" DIAMETERS

Flat Boring Bits are precision made of high carbon steel for durability and long life. Bore clean holes fast at any angle in wood, plastic, plywood and formica. Drill point and cutting edges can be resharpened often.

FLAT BORING BIT KIT NO. 49-22-0071

Contains 6 popular size flat boring bits in heavy protective plastic. Assortment includes 3/8", 1/2", 5/8", 3/4", 7/8", and 1" sizes in pockets for orderly storage and easy size selection.

FLAT BORING BIT SPECIFICATIONS

DIAMETER	CATALOG NUMBER	SHANK DIAMETER	OVERALL LENGTH
1/4"	48-27-0251	3/16"	6-1/8"
5/16"	48-27-0311	3/16"	6-1/8"
3/8"	48-27-0371	1/4"	6-1/8"
7/16"	48-27-0441	1/4"	6-1/8"
1/2"	48-27-0501	1/4"	6-1/8"
9/16"	48-27-0561	1/4"	6-1/8"
5/8"	48-27-0621	1/4"	6-1/8"
11/16"	48-27-0681	1/4"	6-1/8"
3/4"	48-27-0751	1/4"	6-1/8"
13/16"	48-27-0811	1/4"	6-1/8"
7/8"	48-27-0871	1/4"	6-1/8"
15/16"	48-27-0941	1/4"	6-1/8"
1"	48-27-1001	1/4"	6-1/8"
1-1/8"	48-27-1121	1/4"	6-3/4"
1-1/4"	48-27-1251	1/4"	6-3/4"
1-3/8"	48-27-1371	1/4"	6-3/4"
1-1/2"	48-27-1501	1/4"	6-3/4"

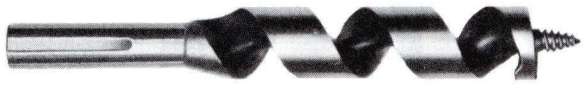
HEAVY-DUTY DRILL ACCESSORIES

POWER SHIP AUGER BITS

13/32" SHANK 15" TWIST 18" OVERALL LENGTH

Cut overall cost per hole by using these accurately machined 13/32" shank ship auger bits. A tough fast-cutting shiphead plus precision hardened cutting edges require less frequent resharpening. For 3/8" D-Handle drills and larger, also fits hand braces.

DIAMETER	CATALOG NUMBER
9/16"	**48-13-0561**
5/8"	**48-13-0621**
11/16"	**48-13-0681**
3/4"	**48-13-0751**
13/16"	**48-13-0811**
7/8"	**48-13-0871**
15/16"	**48-13-0931**
1"	**48-13-1001**



1/2" SHANK 4" TWIST 6" OVERALL LENGTH

Precision machined for smooth wobble free boring. Use with 1/2" D-Handle drills and larger.

11/16"	**48-13-0683**
3/4"	**48-13-0753**
13/16"	**48-13-0813**
7/8"	**48-13-0873**
15/16"	**48-13-0933**
1"	**48-13-1003**
1-1/16"	**48-13-1063**
1-1/8"	**48-13-1123**
1-1/4"	**48-13-1253**
1-3/8"	**48-13-1373**
1-1/2"	**48-13-1503**

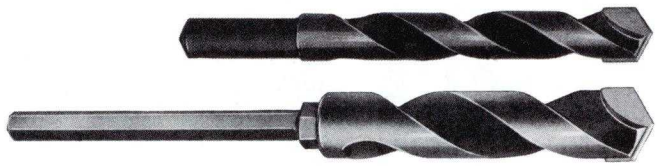
1/2" SHANK 15" TWIST 18" OVERALL LENGTH

For all types of construction. Accurately machined for tough deep hole boring in wood. Use with 1/2" Hole-Shooters or larger. Feed screw point, one cutting edge and side lip produce fast cutting.

9/16"	**48-13-5560**
5/8"	**48-13-5620**
11/16"	**48-13-5680**
3/4"	**48-13-5750**
13/16"	**48-13-5810**
7/8"	**48-13-5870**
15/16"	**48-13-5930**
1"	**48-13-6000**
1-1/16"	**48-13-6010**
1-1/8"	**48-13-6120**
1-1/4"	**48-13-6250**
1-3/8"	**48-13-6370**
1-1/2"	**48-13-6500**

CARBIDE-TIP MASONRY BITS

BLACK OXIDE FINISH



SPECIAL FEATURES:

- ***Alloy steel shank for strength and durability***
- ***Shallow precision machined oval flutes prevent dust packing***
- ***Carbide-tip...the hardest metal made...brazed to alloy steel bodies***

Drills masonry, brick, stone, plaster, slate. Wide, spiral flutes lift dust out of hole. Bit cuts at maximum efficiency without clogging. Produces clean, accurately sized holes fast. Carbide tip resists dulling. Bits may be resharpened on bench grinder using silicon carbide grinding wheel. Bits in sizes from 1" through 1-1/2" are of two piece design. Shank is 1/2" hex dia. with 1/2"-13 thread...nut serves as bit shoulder.

DIAMETER	CATALOG NUMBER	SHANK DIA.	OVERALL BIT LENGTH
1/8"	**48-87-0120**	1/8"	3"
5/32"	**48-87-0150**	5/32"	3"
11/64"	**48-87-0170**	11/64"	3"
3/16"	**48-87-0180**	3/16"	3"
7/32"	**48-87-0210**	1/4"	3"
1/4"	**48-87-0250**	1/4"	4"
1/4"	**48-87-0253**	1/4"	6"
9/32"	**48-87-0280**	1/4"	4"
5/16"	**48-87-0310**	1/4"	4"
3/8"	**48-87-0370**	1/4"	4"
7/16"	**48-87-0430**	1/4"	6"
1/2"	**48-87-0500**	3/8"	6"
9/16"	**48-87-0560**	1/2"	6"
5/8"	**48-87-0620**	1/2"	6"
11/16"	**48-87-0680**	1/2"	6"
3/4"	**48-87-0750**	1/2"	6"
7/8"	**48-87-0870**	1/2"	6"
1"	**48-87-1000**	1/2"	10"
1-1/8"	**48-87-1120**	1/2"	10"
1-1/4"	**48-87-1250**	1/2"	10"
1-1/2"	**48-87-1500**	1/2"	10"

EXTRA LENGTH CARBIDE-TIP MASONRY BITS

Narrow lands and fast spiral for rapid dust removal.

EXTRA LENGTH BITS

1/4"	**48-87-0251**	1/4"	12"
1/2"	**48-87-0502**	3/8"	18"
9/16"	**48-87-0562**	1/2"	18"
5/8"	**48-87-0622**	1/2"	18"
3/4"	**48-87-0752**	1/2"	18"
7/8"	**48-87-0872**	1/2"	18"

EXTENSION SHANKS

FOR MASONRY BITS

1/2"-13 THREAD **1/2" HEX SHANK**

For two piece design bits from 1" thru 1-1/2" dia. only.

LENGTH	CATALOG NUMBER
6"	**48-28-8060**
12"	**48-28-8070**
18"	**48-28-8080**
24"	**48-28-8090**
30"	**48-28-8100**
36"	**48-28-8110**

HEAVY-DUTY HOLE SAWS

NEW • CARBIDE-TIPPED DEEP CUTTING
• DEEP CUTTING
• STANDARD

ALL TYPES ARE SHATTER-RESISTANT

CARBIDE-TIPPED DEEP CUTTING

STANDARD DEEP CUTTING

MILWAUKEE Hole Saws provide an economical means of extending the useful range of portable drills, drill presses and lathes. High speed cutting edges welded to steel bodies produce clean, accurate holes. Shatter-resistant construction makes them safe to use and provides an extra margin of durability.

NEW

CARBIDE-TIPPED DEEP CUTTING HOLE SAWS

New MILWAUKEE deep cutting, carbide-tipped Hole Saws are the fastest cutting carbide-tipped saws on the market. Longer life and faster cutting mean greater savings. Perfect for high speed production work on abrasive materials such as fiberglass, plasterboard, plywood, transite, flakeboard, fiberboard and wood. Not recommended for metal.

DEEP CUTTING AND STANDARD HOLE SAWS

MILWAUKEE high speed steel Hole Saws are high production tools designed for cutting all machineable materials, including steel, aluminum, copper, brass, sheet metal, stainless steel, wood or plastics. Available in deep cutting and standard depth versions.

HOLE SAW ARBORS

1/4" ROUND SHANK NO. 49-56-6950
With 1/2"-20 thread and 1/4" pilot drill.
For small Hole Saws. (See table.)

7/16" HEX SHANK NO. 49-56-7000
With 1/2"-20 thread and 1/4" pilot drill.
For 9/16" to 1-3/16" Hole Saws.
(See table.)

QUICK CHANGE ARBOR
7/16" HEX SHANK NO. 49-56-7055
With 5/8"-18 thread and 1/4" pilot drill.
For 1-1/4" and larger Hole Saws.

5/8" HEX SHANK NO. 49-56-7100
With 5/8"-18 thread and 1/4" pilot drill.
Recommended for 4" and larger Hole Saws.

Arbors and hole saws are interchangeable with most other brands.

HOLE SAW KITS

STANDARD HOLE SAW KIT
NO. 49-22-4050 Consists of 7/8", 1-1/8", 1-1/2", 1-3/4", 2", 2-1/2" sizes, Arbor Nos. 49-56-(7000 and 7055) and steel case.

DEEP CUTTING HOLE SAW KIT
NO. 49-22-4060 Consists of 1", 1-1/4", 1-1/2", 1-3/4", 2-1/4", 3", 3-3/8" sizes, Arbor Nos. 49-56-(7000 and 7055) and steel case.

STEEL CASE ONLY NO. 48-55-0760 Used with either of above kits.

PILOT DRILLS

NO. 49-56-8000 1/4" High Speed Pilot Drill. For use with Hole Saw arbors.

NO. 49-56-8002 1/4" High Speed Pilot Drill with 1/4" fluting for light gauge metals.

EXTENSION SHANKS

For 7/16" hex shank arbors...1" dia. Hole Saws and larger.

COUPLING

EXTENSION

ONE PIECE

	LENGTH	CATALOG NUMBER
Requires Coupling	5-1/2"	48-28-3112
	12"	48-28-3115
48-28-0920	18"	48-28-3300
No Coupling Required	18"	48-28-3400
	24"	48-28-3500

HOLE DIA. SIZE	CATALOG NUMBER	USE WITH ARBOR NO.	PIPE SIZES PIPE TAP	PIPE SIZES PIPE ENTRANCE	FOR COPPER PIPE SIZE (I. D.)
CARBIDE-TIPPED DEEP CUTTING — CUT TO 1-3/4" DEPTH					
3/4"	49-56-0753	49-56-6950 OR 49-56-7000			
7/8"	49-56-0873			1/2"	5/8"
1"	49-56-1003				3/4"
1-1/8"	49-56-1123			3/4"	3/4"
1-1/4"	49-56-1253	49-56-7055 OR 49-56-7100			1"
1-3/8"	49-56-1373			1"	
1-1/2"	49-56-1503				1-1/4"
1-3/4"	49-56-1753			1-1/4"	1-1/2"
2"	49-56-2003			1-1/2"	
2-1/4"	49-56-2253				2"
2-1/2"	49-56-2503			2"	2"
3"	49-56-3003			2-1/2"	2-1/2"
3-1/2"	49-56-3503				3"
4-1/4"	49-56-4253				4"
DEEP CUTTING — CUT TO 1-3/4" DEPTH					
7/8"	49-56-0871	49-56-6950 OR 49-56-7000		1/2"	5/8"
1"	49-56-1001				3/4"
1-1/8"	49 56-1121			3/4"	3/4"
1-1/4"	49-56-1251	49-56-7055 OR 49-56-7100			1"
1-3/8"	49-56-1371			1"	
1-1/2"	49-56-1501				1-1/4"
1-3/4"	49-56-1751			1-1/4"	1-1/2"
2"	49-56-2001			1-1/2"	
2-1/4"	49-56-2251				2"
2-1/2"	49-56-2501			2"	2"
3"	49-56-3001			2-1/2"	2-1/2"
3-3/8"	49-56-3371				3"
4-1/4"	49-56-4251				4"
STANDARD — CUT TO 1-1/4" DEPTH					
9/16"	49-56-0560	49-56-6950 OR 49-56-7000			1/8"
5/8"	49-56-0620				1/4"
11/16"	49-56-0680				3/8"
3/4"	49-56-0750			3/8"	1/2"
13/16"	49-56-0810				1/2"
7/8"	49-56-0870		3/4"	1/2"	5/8"
15/16"	49-56-0930				
1"	49-56-1000				3/4"
1-1/16"	49-56-1060				
1-1/8"	49-56-1120		1"	3/4"	3/4"
1-3/16"	49-56-1180				
1-1/4"	49-56-1250				1"
1-5/16"	49-56-1310				
1-3/8"	49-56-1370			1"	
1-7/16"	49-56-1430				
1-1/2"	49-56-1500		1-1/4"		1-1/4"
1-9/16"	49-56-1560				
1-5/8"	49-56-1620				
1-11/16"	49-56-1680				
1-3/4"	49-56-1750		1-1/2"	1-1/4"	1-1/2"
1-13/16"	49-56-1810				
1-7/8"	49-56-1870				
2"	49-56-2000			1-1/2"	
2-1/16"	49-56-2060				
2-1/8"	49-56-2120				
2-1/4"	49-56-2250		2"		2"
2-5/16"	49-56-2310				
2-3/8"	49-56-2370				
2-1/2"	49-56-2500			2"	2"
2-9/16"	49-56-2560	49-56-7055 OR 49-56-7100			
2-5/8"	49-56-2620		2-1/2"		
2-3/4"	49-56-2750				
2-7/8"	49-56-2870				
3"	49-56-3000			2-1/2"	2-1/2"
3-1/8"	49-56-3120				
3-1/4"	49-56-3250		3"		
3-3/8"	49-56-3370				
3-1/2"	49-56-3500				
3-5/8"	49-56-3620			3"	
3-3/4"	49-56-3750		3-1/2"		
3-7/8"	49-56-3870				3-1/2"
4"	49-56-4000				
4-1/8"	49-56-4120			3-1/2"	3-1/2"
4-1/4"	49-56-4250		4"	3-1/2"	4"
4-3/8"	49-56-4370				
4-1/2"	49-56-4500			4"	4"
4-3/4"	49-56-4750				
5"	49-56-5000				
5-1/2"	49-56-5500				5"
6"	49-56-6000				

NEW HEAVY-DUTY HACK SAW FRAMES • BLADES

12" HACK SAW FRAME
NO. 48-08-0300

New MILWAUKEE Deluxe Hack Saw features a new method of holding blade. Blade cannot "twist" or "wobble", therefore giving a more accurate cutting stroke and a longer blade life. Blade may be positioned to cut sideways absolutely flush with a surface. Cuts completely down to surface. A heavy-duty 12" Hack Saw designed for a lifetime of use.

10" TO 12" HACK SAW FRAME
NO. 48-08-0310

New MILWAUKEE tubular Hack Saw of strong aluminum die cast construction adjusts for 10" or 12" blades. Smooth, comfortable front and rear handle grips. Locking screw extends all the way through tube for tighter alignment. Tube walls never press against threads of screw. Front stretcher held in snug fitting square hole —not a "punched hole" in thin wall of tubing. Good solid alignment in both 10" and 12" positions.

HIGH SPEED MOLYBDENUM STEEL

NEW MILWAUKEE HACK SAW BLADES

(PACKAGE OF 10 BLADES)

CATALOG NUMBER	LENGTH	TEETH PER INCH	SET
48-43-0010	10"	18	Raker
48-43-0110	10"	24	Wavy
48-43-0120	10"	32	Wavy
48-43-0050	12"	14	Raker
48-43-0060	12"	18	Raker
48-43-0130	12"	24	Wavy
48-43-0140	12"	32	Wavy

HEAVY-DUTY DRILL ACCESSORIES

CHUCKS

INDUSTRIAL CHUCKS
Chuck Key Included

CATALOG NUMBER	CAPACITY	THREAD SIZE	CHUCK KEYS CATALOG NUMBER
48-66-0260	1/4"	3/8"-24	**48-66-3200**
48-66-0300	1/4"	1/2"-20	**48-66-3200**
48-66-0500	5/16"	3/8"-24	**48-66-3240**
48-66-0540	5/16"	1/2"-20	**48-66-3240**
48-66-0800	3/8"	3/8"-24	**48-66-3080**
48-66-0840	3/8"	1/2"-20	**48-66-3280**
48-66-0880	3/8"	5/8"-16	**48-66-3280**
48-66-1280	1/2"	1/2"-20	**48-66-3280**
48-66-1440	1/2"	5/8"-16	**48-66-3120**
48-66-1640	5/8"	5/8"-16	**48-66-3120**
48-66-2040	3/4"	5/8"-16	**48-66-3160**
48-66-2050	3/4"	3/4"-16	**48-66-3160**

★ CHUCKS FOR REVERSING DRILLS
Chuck Key Included

48-66-0230•	1/4"	#1 Taper	**48-66-3200**
48-66-0240•	3/8"	#2 Taper	**48-66-3080**
48-66-1360	1/2"	1/2"-20	**48-66-3280**
48-66-1380	1/2"	5/8"-16	**48-66-3280**
48-66-1480	1/2"	#6 Taper	**48-66-3120**
48-66-1680	5/8"	#3 Taper	**48-66-3120**
48-66-2080	3/4"	#3 Taper	**48-66-3160**

★ Chucks for other drills with reversing motors . . . specify model and serial numbers.

• Chuck Removal Wedges required (Set of 2)
For 1/4" Drill — #1 Jacobs Taper
Catalog No. 49-91-0010
For 3/8" Drill — #2 Jacobs Taper
Catalog No. 49-91-0020

RUBBER FLEX KEY HOLDERS

NO. 48-66-4040 FOR KEY 48-66-(3240-3080-3280)
NO. 48-66-4080 FOR KEY 48-66-3200

PLUG ADAPTER

NO. 48-03-0010

MORSE TAPER SOCKETS

★MORSE TAPER SOCKETS Drift Key Included			DRIFT KEYS
49-66-0600	#2 MT	5/8"-16	**48-86-0050**
49-66-0700	#3 MT	5/8"-16	**48-86-0070**

★ See page 9 for sizes required for specific models.

SCREWDRIVING ACCESSORIES

For Use With Trigger Speed Control Drills Nos. 0122-1 and 0222-1 (See Page 5)

Bit and Finder 3-1/2" long with 1/4" hex shank for slotted head screws.

SCREW SIZE	CATALOG NUMBER
6F- 8R	**48-30-2600**
8F-10R	**48-30-2625**
10F-12R	**48-30-2650**
12F-14R	**48-30-2675**
14F-16R	**48-30-2700**

2" long Bits with 1/4" hex shanks for driving #2 and #3 Phillips screws.

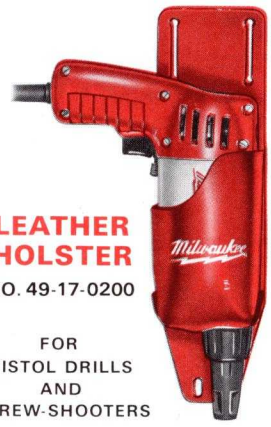
SIZE	CATALOG NUMBER
Phillips No. 2	**48-30-1520**
Phillips No. 3	**48-30-1500**

EXTENSION CORDS

For all electric tools. Oil resistant, Heavy-Duty Neoprene cords with plugs molded on and with duplex connectors.

CATALOG NUMBER	LGTH.	TYPE	GA.
48-76-0100	25'	SO	14
48-76-0110	50'	SO	14
48-76-0120	50'	SJO	16

See page 59 for recommended extension cord use.



LEATHER HOLSTER

NO. 49-17-0200

FOR PISTOL DRILLS AND SCREW-SHOOTERS

STEEL CARRYING CASE

OVERALL SIZE
13" LONG, 6" HIGH
8-1/2" WIDE

NO. 48-55-0710
FOR PISTOL DRILLS AND SCREW-SHOOTERS

NO. 48-55-0110 CARRYING CASE FOR HOLE HAWGS (1670-1 AND 1675-1)

HEAVY-DUTY DRAIN CLEANER

NEW 50 FT. DRUM CAPACITY
HOLDS UP TO 35' OF 13/32" CABLE
OR 50' OF 5/16" INNER CORE CABLE

- **TRIGGER SPEED CONTROL AND REVERSING MOTOR**
- **POWERFUL MOTOR, SPECIALLY DESIGNED FOR RUNNING CABLE**

- **TRIGGER SPEED CONTROL DESIGN PROTECTS CABLE FROM DAMAGE AND PERMITS SAFE OPERATION FROM 0 TO 500 RPM**
- **REVERSING MOTOR MAKES CABLE EXTRACTION FAST**
- **LARGE CABLE DRUM HOLDS UP TO 50' OF INNER-CORE DROP HEAD CABLE**
- **QUICK, EASY RODDING OF UP TO 2" WASTELINES**

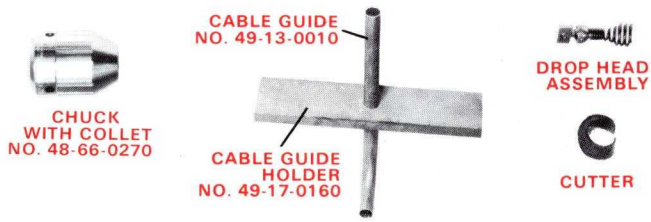
115 VOLT AC ONLY

CATALOG NUMBER	SPEED RPM	CABLE SIZE	MAX. CABLE LENGTH	MAX. PIPE SIZE I.D.	LENGTH INS.	NET WGT. LBS.	SHP. WGT. LBS.
0566-1 KIT	0 to 500	1/4" or 5/16" / 13/32"	50' / 35'	2"	17	9-1/4	36

NO. 0566-1 Kit Includes: 1/4" x 25' Steel Cable No. 48-53-0010, 5/16" x 25' Steel Cable No. 48-53-0015, 1/4" Repair Hook No. 49-20-0020, 5/16" Repair Hook No. 49-20-0040, Cable Guide Holder No. 49-17-0160, Cable Guide No. 49-13-0010 and Steel Carrying Case No. 48-55-6055.

STEEL CARRYING CASE
When purchased separately.
NO. 48-55-6055

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS



STEEL CABLE is right-hand wound cable which expands when torque is applied. Designed for feeding through crossbars, down through and around the goose neck, or traps. It eliminates removal of the trap or clean out plug.

INNER-CORE DROP HEAD CABLE is left-hand wound cable which tightens against center core when torque is applied, making a solid shaft. Once through stoppage, tension on the cable is released, and it becomes flexible again.

STEEL CABLES

NO. 48-53-0015 5/16" x 25' Includes repair hook.
NO. 48-53-0035 5/16" x 30' Includes repair hook.
NO. 48-53-0010 1/4" x 25' Includes repair hook.
NO. 48-53-0030 1/4" x 30' Includes repair hook.

INNER-CORE DROP HEAD CABLES

NO. 48-53-0020 5/16" x 25' Includes drop head, 3/4" and 1" cutter, socket head screws and wrenches for changing heads.

NO. 48-53-0025 5/16" x 30' Includes drop head, 3/4" and 1" cutter, socket head screws and wrenches for changing.

NO. 48-53-0040 5/16" x 50' Includes drop head, 3/4" and 1" cutter, socket head screws and wrenches for changing heads.

NO. 48-53-0050 13/32" x 35' Includes drop head, 1" and 1-1/4" cutter, socket head screws and wrenches for changing heads, extraction hook.

DROP HEAD PARTS KIT NO. 49-22-2500
For 5/16" Inner-Core Cable — includes drop head set screw for drop head, socket wrench for drop head, 3/4" cutter, 1" cutter, set screws and socket wrench for cutters.

DROP HEAD PARTS KIT NO. 49-22-2510
For 13/32" Inner Core Cable — includes drop head, set screw for drop head, socket wrench for drop head, 1" and 1-1/4" cutter, set screws and wrench for cutters, extraction hook.

REPAIR HOOK NO. 49-20-0020 for 1/4" steel cable.
REPAIR HOOK NO. 49-20-0040 for 5/16" steel cable.

REPAIR BULB NO. 48-50-0010 for 5/16" inner-core drop head cable.
REPAIR BULB NO. 48-50-0020 for 13/32" inner-core drop head cable.

DROP HEAD ASSEMBLY NO. 49-16-0010 for 5/16" inner-core drop head cable.
DROP HEAD ASSEMBLY NO. 49-16-0020 for 13/32" inner-core drop head cable.

CUTTER 3/4" NO. 48-38-0050 for 5/16" inner-core drop head cable.

CUTTER 1" NO. 48-38-0060 for 5/16" inner-core drop head cable.

CUTTER 1" NO. 48-38-0070 for 13/32" inner-core drop head cable.

CUTTER 1-1/4" NO. 48-38-0080 for 13/32" inner-core drop head cable.

TYPE "A" GREASE NO. 49-08-0500 1/2 lb. can
TYPE "A" GREASE NO. 49-08-0800 1 lb. can

HEAVY-DUTY VACUUM CLEANERS

NO. 8911 9 GAL. CAP.
WET OR DRY PICK-UP

Powerful, two-stage bypass motor delivers 17,500 rpm. 16" dia. red enameled 22 ga. steel tank. Ideal for carpets, quick drying of tile floors and other industrial and construction uses.

NEW

NO. 8912 9 GAL. CAP.
WET OR DRY PICK-UP

New high power vacuum cleaner. Powerful two-stage bypass motor. 17,500 rpm. Maximum air flow 110 cu. ft. per min. with sealed suction water lift of 105". 16" dia. red enameled 22 ga. steel tank. Ideal for wet or dry heavy-duty applications.

NO. 8916 9 GAL. CAP.
WET OR DRY PICK-UP

Deluxe 16" dia. non-corrosive stainless steel tank. Powerful, two-stage bypass motor. 17,500 rpm. Ideal for extensive wet pick-up. Rapid-Flow Drain Valve allows complete drainage without tipping tank.

NO. 8925 15 GAL. CAP.
WET OR DRY PICK-UP

A deluxe high-power vacuum cleaner for extensive wet pick-up applications. 105" of waterlift and 110 cu. ft. per min. air flow teamed with 15 gal. non-corrosive stainless steel tank. The powerful two-stage bypass motor delivers 17,500 rpm. A Rapid Flow Drain Valve allows complete drainage of tank without tipping.

NO. 8921 1-1/2 BUSHEL CAP.
DRY PICK-UP ONLY

High output straight-thru motor provides maximum power. Easily picks up fine sawdust, machine shop debris and sharp metal cuttings. 16" dia. 22 ga. red enameled steel tank perfect for furnace cleaning and other uses requiring pick-up of fine dust.

NO. 8931 1/2 BUSHEL CAP.
DRY PICK-UP ONLY

Compact 14" dia. 22 ga. red enameled steel tank with high output straight-thru motor for maximum power. Easily picks up fine sawdust, machine shop debris and sharp metal cuttings.

NO. 8935 4-1/2 GAL. CAP.
WET OR DRY PICK-UP

Powerful, two-stage bypass motor delivers 17,500 rpm. High capacity 14" dia. red enameled 22 ga. steel tank. An ideal rental unit designed for fast clean-up of office/home carpets, quick drying of tile floors and other heavy-duty applications.

Milwaukee

MILWAUKEE 1924 50 1974 ELECTRIC TOOL

GENERAL SPECIFICATIONS: 115 Volts AC Only — All models are equipped with 1-1/2" O.D. hose connections, cord with 3-prong grounded plug, accessory outlet receptacle on motor housing, 3 spring vinyl covered hold-down clamps and 4-wheel caddie with non-marring wheels.

CAT. NO.	FOR MATERIALS	RECOV. CAP. GAL.	RECOV. CAP. BU.	TANK	MAX. AIR FLOW CU. FT./MIN.	SEALED SUCTION IN. WATER	OVERALL DIMENSIONS WIDTH	OVERALL DIMENSIONS HEIGHT	NET WGT. (LBS.)	SHP. WGT. (LBS.)
8911	Wet or Dry	9	1-1/2	Steel	92	85"	19"	32"	48	67
8912	Wet or Dry	9	1-1/2	Steel	110	105"	19"	32"	49	68
8916	Wet or Dry	9	1-1/2	Stainless	92	85"	19"	32"	47	65
8921	Dry Only	—	1-1/2	Steel	95	87"	19"	32"	42	59
8925	Wet or Dry	15	2	Stainless	110	105"	19"	36"	53	73
8931	Dry Only	—	1/2	Steel	95	87"	17"	25"	29	36
8935	Wet or Dry	4-1/2	3/4	Steel	92	85"	17"	28"	35	45

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

STANDARD EQUIPMENT

FOR MODELS 8911, 8912, 8916 AND 8925-3 paper filter bags, cloth filter, gasket and wire frame assembly, wet pick-up conversion pan, swivel connector and canvas store-all tool bag.

FOR MODEL 8921-3 paper filter bags, cloth filter, gasket, wire frame assembly and swivel connector. Canvas store-all tool bag.

FOR MODEL 8931-3 paper filter bags, cloth filter, gasket, wire frame assembly, swivel connector, and hose carrier.

FOR MODEL 8935-3 paper filter bags, wet pick-up pan, cloth filter, gasket, wire frame assembly, swivel connector, and wire hose carrier.

OUTSTANDING FEATURES

- POSITIVE WATER SHUT-OFF — On wet/dry machines protects motor from direct exposure to water.
- HEAVY-DUTY FILTER SYSTEM — For the roughest coarse materials to the finest dust.
- USE AS BLOWER — Switch hose from intake to exhaust, for cleaning inaccessible areas.

VACUUM MOTOR DESIGN

Centrifugal blower produces high efficient vacuum and air flow. Models 8911, 8912, 8916, 8925, 8935, 8940, and 8945 have a two-stage bypass motor for wet/dry operation. It provides discharge of vacuum air from the fan case with a separate system for motor cooling. Clean air is drawn into top of motor and discharged through motor housing vents protecting motor from direct exposure to moisture.

Models 8921 and 8931 have a straight-thru motor for dry pick-up. Filters remove dirt from air before reaching the motor. Filtered air is drawn from tank and directed over electrical motor parts for cool efficient operation.

HEAVY-DUTY VACUUM CLEANER ACCESSORIES

FOR CURRENT MODELS ON PAGE 20, ALSO FOR PREVIOUS MODELS 8910, 8915, 8930

MOTOR HEAD AND DRUM ADAPTER ASSEMBLY

① MOTOR HEAD ONLY NO. 8940

The same powerful Motor Head as furnished with Models 8911 and 8916 with 30' of cord. Requires use of 16" dia. Conversion Pan for wet pickup. Wire Frame Filter Cage, Cloth Filter and Gasket assembly and 16" Dacron Filter Bag required for dry pickup. Order these and all other accessories separately. Unit includes a swivel end connector, Catalog No. 49-90-0150. Net Weight 14 lbs., Shipping Weight 16 lbs.

MOTOR HEAD ONLY NO. 8945

New *more powerful* motor head adapts to all 16" diameter, 9 gallon units and larger for extra-duty applications. Same as furnished with models 8912 and 8925. Maximum air flow is 110 Cu. Ft./Min. with sealed suction water lift of 105". Unit comes with a 30' cord and requires the use of 16" diameter conversion pan for wet pickup. Wire frame filter cage, cloth filter, and gasket assembly and 16" dacron filter bag required for dry pickup. Order these and all accessories separately. Unit includes a swivel end connector, Catalog No. 49-90-0150. Net Wgt. 15 lbs., Shipping Wgt. 17 lbs.

② DRUM ADAPTER NO. 49-90-1590

Fits your 55 Gal. drum. Gasket secures tightly to drum when vacuum is in operation. Adaptable to Motor Head 8940 and 8945 and those on Nos. 8911, 8912, 8916, 8921, and 8925. Use 16" dia. accessories. Net Weight 10 lbs., Shipping Weight 11 lbs.

③ DOLLY NO. 49-90-1100

For 55 gal. drum. Sturdy steel construction with 4 wheels and long hinged handle. Drum easily tips off or on. Net Weight 43 lbs., Shipping Weight 45 lbs.

WIRE FRAME FILTER CAGE, CLOTH FILTER AND GASKET ASSEMBLY

Available for both 14" and 16" dia. tanks. The filter assembly acts as a final filter for air leaving tank. To achieve the best possible results, the cloth filter gasket and wire frame must be maintained. Any wear holes or gasket leaks will allow dust and debris to blow through exhaust ports.

Wire Frame Filter Cage 14" Dia.
NO. 49-90-0290

Wire Frame Filter Cage 16" Dia.
NO. 49-90-0270

Cloth Filter and Gasket 14" Dia.
NO. 49-90-0280

Cloth Filter and Gasket 16" Dia.
NO. 49-90-0260

DACRON FILTER BAG
NO. 49-90-0320

Fits 14" and 16" dia. tanks. The dacron bag is suited for pick-up of medium fine dust as well as coarse sharp material. To be used without paper filter bags. Fits over cloth filter assembly.

WET PICK-UP CONVERSION PANS
NO. 49-90-1620

Wet Pick-Up Conversion Pan 14" Dia. (Standard on Model 8935 Only)

NO. 49-90-1610

Wet Pick-Up Conversion Pan 16" Dia. (Standard on Models 8911, 8912, 8916 and 8925)

Converts models 8911, 8912, 8916, 8925, 8940, and 8945 for wet pickup. Built-in float allows waste to reach a safe level, then stops suction, preventing motor damage. Available as a replacement unit.

DISPOSABLE PAPER FILTER BAGS

Flame-resistant paper filter bags make tank clean-out as easy as possible. Quick, easy installation gets machine going again fast.

14" Dia. Vacuum Cleaner (5 Pack)
NO. 49-90-0311

16" Dia. Vacuum Cleaner (5 Pack)
NO. 49-90-0301

16" Dia. Vacuum Cleaner (5 Pack) for use with 8925 ONLY.
NO. 49-90-0350

16" Dia. Vacuum Cleaner (7 Pack) Extra large, extra fine for picking up the finest particles of dust and soot.
NO. 49-90-0330

NEW VACUUM CLEANER ACCESSORY KITS

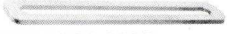
AUTOMOTIVE KIT NO. 49-90-1660 A kit especially designed for garages doing automotive work. Kit consists of 1 each of the following: 49-90-0060, 10 ft. hose; 49-90-0400, 15" crevice tool; 49-90-0740, utility nozzle.

FURNACE CLEANING KIT NO. 49-90-1650 All accessories needed for cleaning furnaces. Kit includes 1 each of the following: 49-90-0020, 10 ft. hose; 49-90-0080, 6 ft. metal hose; 49-90-0410, 27" crevice tool; 49-90-0460, rubber blower nozzle; 49-90-0740, utility nozzle.

WET AND DRY CLEANING KIT NO. 49-90-1670 A complete kit of accessories for the maintenance department. Kit consists of 1 each of the following: 49-90-0060, 10 ft. hose; 49-90-0550, major floor tool; 49-90-0580, squeegee shoe; 49-90-0400, 15" crevice tool; 49-90-0600, 14" carpet insert; 49-90-0740, utility nozzle; 49-90-1000, double bend floor rod.

MAJOR FLOOR TOOL NO. 49-90-0550

Major Floor Tool with two "quick turn" thumb screws for quick tool changing. Accommodates interchangeable 14" inserts and replacements. Supplied with 49-90-0610 bumper.



NO. 49-90-0610

REPLACEMENT BUMPER FOR MAJOR FLOOR TOOL

NO. 49-90-0560

BRISTLE SHOD SHOE

For Major Floor Tool. For rough floors, large wall and ceiling areas.

REPLACEMENT BRUSH STRIPS (2) NO. 49-90-0630

NO. 49-90-0580

SQUEEGEE SHOE

Use with Major Floor Tool. For fast drying of washed floors.

REPLACEMENT SQUEEGEE BLADES (4) NO. 49-90-0640

DOUBLE BEND FLOOR ROD
NO. 49-90-1000

Built-in swivel connection adapts to 1-1/2" I.D. hose, with compression fitting that accommodates all floor tools. Made of chrome-plated steel.

NO. 49-90-0600

14" CARPET INSERT

For Major Floor Tool. Bottom plate perfectly designed for cleaning rugs, carpeting.

NO. 49-90-0570

FABRIC SHOD ATTACHMENT SHOE

Use with Major Floor Tool. Suited for cleaning cement and concrete floors.

REPLACEMENT FABRIC STRIPS (2) NO. 49-90-0620

NO. 49-90-0590

FELT SHOD ATTACHMENT SHOE

Use with Major Floor Tool for walls and smooth hard floors such as tile, hardwood.

REPLACEMENT FELT BLADES (2) NO. 49-90-0650

HEAVY-DUTY VACUUM CLEANER ACCESSORIES

FOR CURRENT MODELS ON PAGE 20
ALSO FOR PREVIOUS MODELS 8910, 8915, AND 8930

15" CREVICE TOOL
NO. 49-90-0400

27" CREVICE TOOL
NO. 49-90-0410

For cleaning behind radiators, other hard to reach corners and crevices.

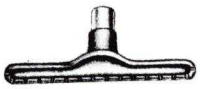
RUBBER BLOWER NOZZLE
NO. 49-90-0460

For blowing dust and dirt out of cracks and inaccessible areas. Excellent for machinery.

20" EXTENSION
NO. 49-90-0510

20" extension with built-in hose end swivel. Used with utility nozzle (49-90-0740) for automotive cleaning. Also desirable when short extension is needed for dust brush attachments (49-90-0730).

WIDE MOUTH GULPER
NO. 49-90-0540



Ideal for use on bare floors or rugs. 12" cleaning path. Compression Type, fits on Double Bend Floor Rod No. 49-90-1000.

HORSE HAIR BRUSH
NO. 49-90-0750

Heavy-duty cast aluminum, wide mouth nozzle with plastic bumper. 10" cleaning path. Compression Type, fits on Double Bend Floor Rod No. 49-90-1000.

NYLON BRISTLE BRUSH
NO. 49-90-0760

Heavy-duty cast aluminum, wide mouth nozzle with plastic bumper. 10" cleaning path. Compression Type, fits on Double Bend Floor Rod No. 49-90-1000.

REPLACEMENT PLASTIC BUMPER
NO. 49-90-0720

Replacement for horse hair and nylon bristle brushes.

HORSE HAIR BRUSH INSERT REPLACEMENT
NO. 49-90-0700

NYLON BRUSH INSERT REPLACEMENT
NO. 49-90-0710

UTILITY NOZZLE
NO. 49-90-0740

Taper fit utility and upholstery nozzle. Fits 1-1/2" ID hose. 6" cleaning path.

CLAMP-ON NYLON BRISTLE BRUSH WITH BUMPER
NO. 49-90-0480

Attach directly to utility nozzle.

REPLACEMENT NYLON BRISTLE BRUSH INSERT
NO. 49-90-0680

For nylon bristle brush with bumper No. 49-90-0480.

REPLACEMENT BUMPER
NO. 49-90-0690

For nylon bristle brush.

3" ROUND DUST BRUSH
NO. 49-90-0730

3" round dust brush with nylon bristles and bumper. Fits 1-1/2" ID hose.

REPLACEMENT BRUSH INSERT
NO. 49-90-0660

Replacement for round dust brush.

REPLACEMENT BUMPER
NO. 49-90-0670

For round dust brush.

WHITE CANVAS HOSE 10'
NO. 49-90-0020

Canvas covered, wire reinforced, rubber lined vacuum hose, 1-1/2" ID. Two straight molded cuff ends. Order swivel-end connector separately.*

BLACK CANVAS HOSE 10'
NO. 49-90-0030

Canvas covered, wire reinforced, rubber lined vacuum hose. Strong resilient, 1-1/2" ID with two straight molded cuff ends. Order swivel-end connector separately.*

BLACK NEOPRENE HOSE
NO. 49-90-0040 15'
NO. 49-90-0050 25'

Neoprene lined, oil resistant, wire reinforced, 1-1/2" ID with two straight molded cuff ends. Order swivel-end connector separately.*

WIRELESS VINYL HOSE
NO. 49-90-0060 10'
NO. 49-90-0070 25'

Crushproof multi-flex hose with no wire reinforcement. 1-1/2" ID with two molded cuff ends. Order swivel-end connector separately.*

* One swivel-end connector is furnished as standard equipment with vacuum cleaners 8911, 8912, 8916, 8921, 8925, 8931 and 8935 and motor heads 8940 and 8945.

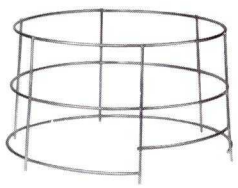
METAL HOSE 6'
NO. 49-90-0080

For cleaning boiler tubes and furnaces. 1-1/4" OD fits into standard 1-1/2" ID hoses.

STEEL HOSE CONNECTOR
NO. 49-90-0195

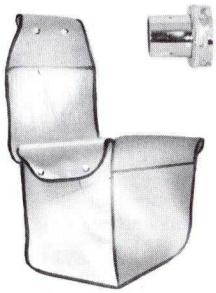
Used to connect 1-1/2" hoses.

HOSE CARRIER
FOR 14" TANKS
NO. 49-90-0170
FOR 16" TANKS
NO. 49-90-0180



Ideal for neat safe storage of vacuum hoses. Makes moving from one location to another easier.

SWIVEL-END CONNECTOR
NO. 49-90-0150



Quick connect/disconnect feature makes attaching hoses to MILWAUKEE vacuum cleaners easy. Fits into 1-1/2" ID hoses. Same as furnished with each unit.

CANVAS STORE-ALL TOOL POUCH
NO. 49-90-0250
For Models 8911, 8912, 8916 and 8921

Strong durable vinyl covered canvas pouch . . . makes toting extra tools easy.

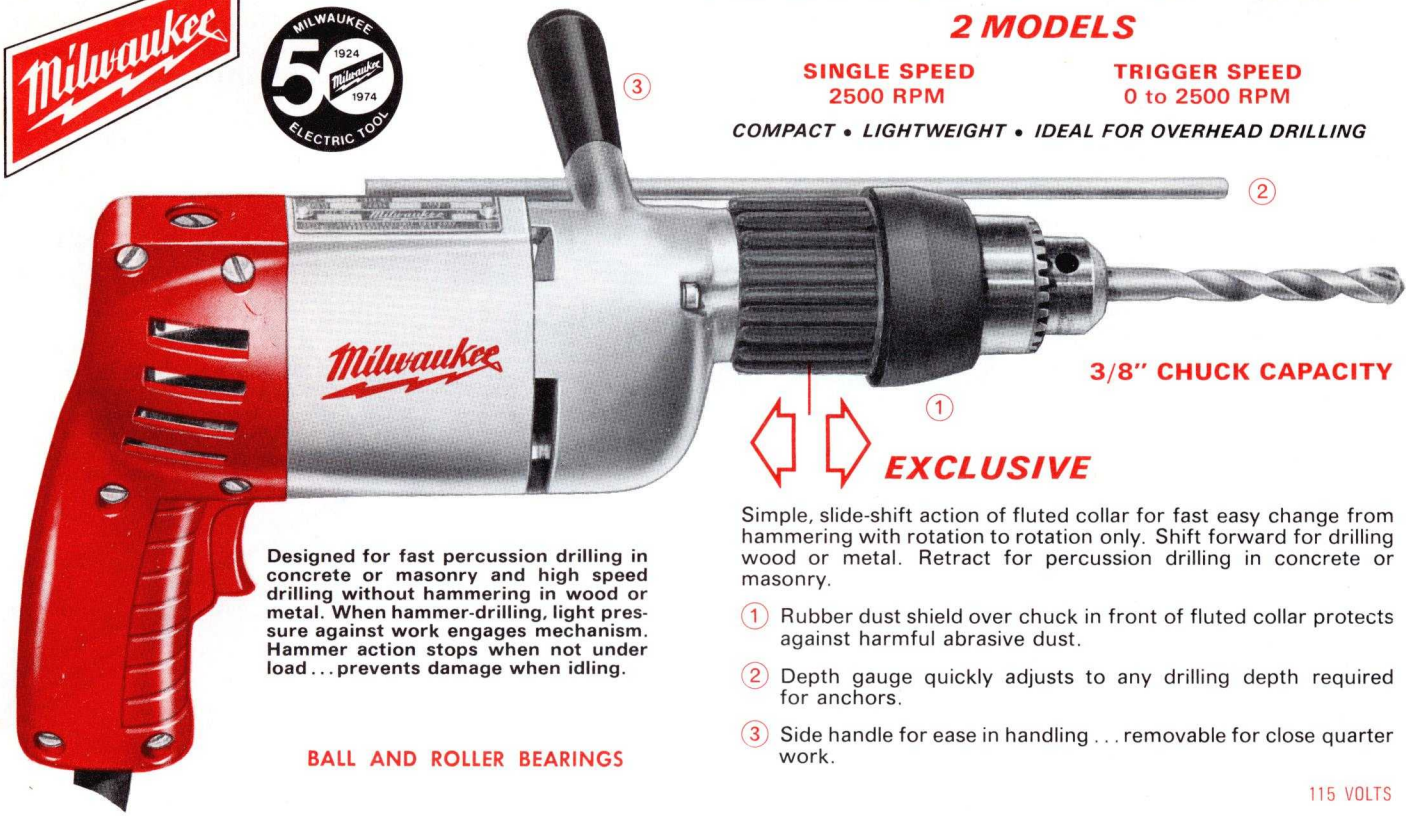
HEAVY-DUTY HAMMER-DRILLS

2 MODELS

SINGLE SPEED 2500 RPM

TRIGGER SPEED 0 to 2500 RPM

COMPACT • LIGHTWEIGHT • IDEAL FOR OVERHEAD DRILLING



3/8" CHUCK CAPACITY

EXCLUSIVE

Simple, slide-shift action of fluted collar for fast easy change from hammering with rotation to rotation only. Shift forward for drilling wood or metal. Retract for percussion drilling in concrete or masonry.

(1) Rubber dust shield over chuck in front of fluted collar protects against harmful abrasive dust.

(2) Depth gauge quickly adjusts to any drilling depth required for anchors.

(3) Side handle for ease in handling . . . removable for close quarter work.

Designed for fast percussion drilling in concrete or masonry and high speed drilling without hammering in wood or metal. When hammer-drilling, light pressure against work engages mechanism. Hammer action stops when not under load . . . prevents damage when idling.

BALL AND ROLLER BEARINGS

- **Powerful 4.5 amp motors with high velocity fan cooling.**
- **Drills 11/64" to 9/16" Anchor Holes in construction grade concrete with Percussion Carbide Tip Bits. 50,000 blows per minute at 2500 RPM.**
- **Drills up to 1/4" in steel and 1/2" in wood at 2500 RPM with drilling action only using standard drill bits.**
- **Compact and lightweight. Ideal for drilling overhead.**
- **Trigger Speed Control model provides speeds of 0 to 2500 RPM for maximum control and accuracy. Prevents bit walking when starting holes in tile and ceramics at low speed. Depress trigger for higher speeds.**

115 VOLTS

CATALOG NUMBER	TYPE	BLOWS PER MIN.	NO LOAD RPM	LGTH. INS.	NET WGT. LBS.	SHP. WGT. LBS.
5390 Tool Only	Single Speed	50,000	2,500	11	4-1/2	7
5395 Kit	Single Speed	50,000	2,500	11	4-1/2	15
5392 Tool Only†	Trigger Speed Control	50,000*	0 to 2,500	11	4-1/2	7
5397 Kit	†Trigger Speed Control	50,000*	0 to 2,500	11	4-1/2	15

†115 Volt, AC only * Maximum for Speed Control

STANDARD EQUIPMENT

TOOL ONLY includes Hammer-Drill, depth gauge, removable side handle, rubber dust shield, special 3/8" industrial, geared, key-type chuck and chuck key with holder.

KIT. Same as Tool Only. Also includes 3/16" x 3", 1/4" x 4", 3/8" x 4" and 1/2" x 6" percussion carbide-tip bits and steel carrying case.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

3/8" SPECIAL CHUCK NO. 48-66-0810 Industrial, key type, 3-jaw chuck with 3/8-24 thread for use with Milwaukee Hammer-Drill. Includes Chuck Key No. 48-66-3240.

NO. 49-62-0090 RUBBER DUST SHIELD
NO. 48-55-0710 STEEL CARRYING CASE
NO. 48-66-4040 RUBBER-FLEX KEY HOLDER
NO. 49-08-0500 1/2 LB. CAN "A" GREASE For Gears
NO. 49-08-0800 1 LB. CAN "A" GREASE For Gears
NO. 49-08-0150 3 OZ. LUBRICANT FOR MECHANISM

Available In Kit Form With Steel Carrying Case

PERCUSSION CARBIDE-TIP BITS For drilling concrete and masonry

These Carbide-Tip Bits are especially made with round shanks for use with Hammer-Drills. Alloy steel shanks and bodies are heat treated for durability and long life. Highest quality carbide tips brazed to steel bodies resist dulling, stay sharp longer and can be resharpened often. Wide spiral with shallow oval flutes removes dust fast to assure maximum drilling efficiency.

NOTE: Bits 11/64" thru 9/16" dia. are for use with Milwaukee Hammer-Drill with 3/8" chuck. All bits can be used with other Hammer-Drills depending upon chuck capacity. See shank dia. column.

BIT DIA. INS.	CATALOG NUMBER	SHANK DIA. INS.	OVERALL LGTH. INS.	BIT DIA. INS.	CATALOG NUMBER	SHANK DIA. INS.	OVERALL LGTH. INS.
11/64	**48-20-6170**	11/64	3	3/8	**48-20-6382**	5/16	13-1/2
3/16	**48-20-6180**	3/16	3	7/16	**48-20-6440**	3/8	6
7/32	**48-20-6220**	3/16	3	15/32	**48-20-6470**	3/8	6
1/4	**48-20-6250**	1/4	4	1/2	**48-20-6500**	3/8	6
1/4	**48-20-6251**	1/4	6	1/2	**48-20-6501**	3/8	13-1/2
9/32	**48-20-6280**	17/64	4	9/16	**48-20-6560**	3/8	6
5/16	**48-20-6310**	17/64	4	5/8	**48-20-6620**	1/2	6
5/16	**48-20-6311**	17/64	6	11/16	**48-20-6690**	1/2	6
3/8	**48-20-6380**	5/16	4	3/4	**48-20-6750**	1/2	6
3/8	**48-20-6381**	5/16	6	7/8	**48-20-6880**	1/2	6

HEAVY-DUTY 3/4" HAMMER

For drilling holes in concrete and masonry for conduit, anchors and expansion shields • Chipping • Channeling • Scaling • Chiseling and Tuck Pointing.

STEEL CARRYING CASE FURNISHED WITH BOTH MODELS

NO. 5361 ELECTRIC HAMMER KIT

LIMITED SET — includes 3/4" Electric Hammer, with star drill chuck, 1/2" star drill, drift pin, tool retaining spring, grease gun, grease and steel carrying case.

NO. 5382 ELECTRIC HAMMER KIT

Includes 3/4" Electric Hammer with star drill chuck, drift pin, tool retaining spring for chisels, one each bull point, cold chisel, brick cleaning chisel and mortar cutting chisel, eight assorted star drills 1/4", 5/16", 3/8", 7/16", 1/2", 5/8", 3/4" and 7/8" sizes, grease gun, grease and steel carrying case.

CONVERSION KIT NO. 48-62-0200

Additional accessories required to convert No. 5361 Limited Kit to No. 5382 Complete Kit.

• HAMMER BLOW is forward only, with a patented cushioned recoil mechanism to eliminate jolting action.

• HANDLES A WIDE RANGE of Star Drills, Tooth Anchors, Chisels and Bull Point.

CATALOG NUMBER	KIT	BLOWS PER MIN.	VOLTS	SHP. WGT. LBS.
5361	LIMITED	3000	115	26
5382	COMPLETE	3000	115	30

Efficient Operating Limit (Dia.) . . . . . 11/64" to 7/8"
Maximum Operating Dia. . . . . 1-1/8"
Tool Length. . . . . 18"

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

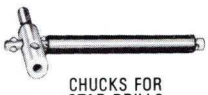
3/4" HEAVY-DUTY HAMMER ACCESSORIES

STAR DRILLS

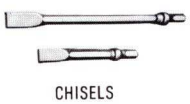
BULL POINT

MORTAR CUTTING CHISEL

RETAINING SPRING


CHUCKS FOR STAR DRILLS TOOTH ANCHORS

BRICK CLEANING CHISEL


CHISELS

GREASE GUN & GREASE

STAR DRILLS and CHUCK

48-88-0251	1/4" x 6"
48-88-0252	1/4" x 12"
48-88-0310	5/16" x 6"
48-88-0311	5/16" x 12"
48-88-0370	3/8" x 6"
48-88-0371	3/8" x 12"
48-88-0430	7/16" x 6"
48-88-0500	1/2" x 6"
48-88-0501	1/2" x 12"
48-88-0620	5/8" x 6"
48-88-0621	5/8" x 12"
48-88-0750	3/4" x 6"
48-88-0751	3/4" x 12"
48-88-0870	7/8" x 6"
48-88-0871	7/8" x 12"
48-88-1000	1" x 6"
48-88-1001	1" x 12"
48-88-1120	1-1/8" x 6"
48-66-5010	Star Drill Chuck ★

BULL POINT

48-62-0060	5/8" x 12

CHISELS

48-62-0070	5/8" x 7" Cold Chisel
48-62-0050	5/8" x 12" Cold Chisel
48-62-0080	Brick Cleaning Chisel
48-62-0090	Mortar Cutting Chisel

TOOTH ANCHOR CHUCKS

48-66-5100		1/4"		7/16"
48-66-5160	FOR	5/16"	O.D.	15/32"
48-66-5140	BOLT	3/8"	OF	9/16"
48-66-5080	SIZE	1/2"	ANCHOR	11/16"
48-66-5180		5/8"		27/32"

MISCELLANEOUS

48-55-0570	Carrying Case	
49-08-0500	1/2 Lb. Can "A" Grease	FOR GEARS
49-08-0800	1 Lb. Can "A" Grease	
49-08-0600	1/2 Lb. Can "B" Grease	FOR MECHANISM
49-08-0900	1 Lb. Can "B" Grease	
49-14-0200	Grease Gun	
49-68-0020	Tool Retaining Spring	
48-86-0090	Drift Pin	

★ Drift Pin Catalog No. 48-86-0090 included with each chuck.

HEAVY-DUTY 3/4" ROTARY HAMMER

- GLASS REINFORCED NYLON HANDLE

FOR PERCUSSION CARBIDE-BIT DRILLING IN CONCRETE AND MASONRY

- NO HOURLY OR DAILY OILING — GREASE PERIODICALLY DEPENDING UPON AMOUNT OF USE

3 WAY ACTION

- HAMMERING WITH ROTATION
- HAMMERING ACTION ONLY
- ROTATION ONLY

- DRILLS 5-1/2" PER MIN. with 1/2" bit in construction grade concrete. An ideal tool for drilling anchor holes.

- SIDE HANDLE INTERCHANGEABLE RIGHT OR LEFT

- "A" TAPER BITS FIT DIRECTLY INTO NOSE OF TOOL

- 2500 BLOWS PER MIN.
- 1000 RPM NO LOAD SPEED

STEEL CARRYING CASE FURNISHED WITH BOTH MODELS

Light pressure against work engages hammer action. Hammering with spring-loaded ram mechanism is combined with high torque rotation for best drilling efficiency. Hammer action stops when not under load, preventing damage while idling. Adjustable depth gauge assures accurate drilling depths. Dust shield protects mechanism when drilling overhead. Special air intake and exhaust vents provide maximum cooling.

NO. 5351 ROTARY HAMMER KIT

Includes 3/4" Rotary Hammer with "A" taper adapter, drift key, auxiliary side handle, depth gauge, dust shield, 3 oz. tube of lubricant for mechanism and steel carrying case.

NO. 5357 ROTARY HAMMER KIT

Same as above. Also includes 6 "A" taper bits 1/4" x 4", 3/8" x 4-1/2", 7/16" x 4-1/2", 1/2" x 4-1/2", 9/16" x 5" and 5/8" x 5".

115 VOLTS

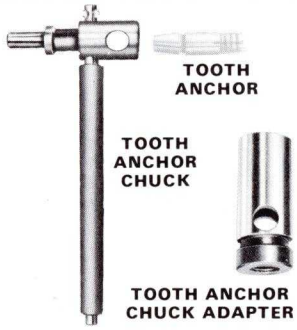
CATALOG NUMBER	MAXIMUM CAPACITY	BLOWS PER MIN.	NO LOAD RPM	LENGTH INCHES	NET WGT. LBS.	SHP. WGT. LBS.
5351	7/8"	2500	1000	18-3/8	10	21
5357	7/8"	2500	1000	18-3/8	10	22

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

3/4" HEAVY-DUTY ROTARY HAMMER ACCESSORIES

"A" TAPER PERCUSSION CARBIDE-TIP BITS

BIT DIA. (IN.)	CATALOG NUMBER	OVERALL LENGTH (IN.)	MAX. DRILLING DEPTH (IN.)
3/16	**48-20-3180**	4	2
1/4	**48-20-3250**	4	2
1/4	**48-20-3252**	6	4
5/16	**48-20-3310**	4-1/2	2-1/2
5/16	**48-20-3312**	6	4
3/8	**48-20-3380**	4-1/2	2-1/2
3/8	**48-20-3381**	9	7
3/8	**48-20-3382**	12	10
7/16	**48-20-3440**	4-1/2	2-1/2
15/32	**48-20-3470**	4-1/2	2-1/2
1/2	**48-20-3499**	9	7
1/2	**48-20-3500**	4-1/2	2-1/2
1/2	**48-20-3501**	12	10
9/16	**48-20-3559**	5	3
9/16	**48-20-3560**	9	7
5/8	**48-20-3619**	5	3
5/8	**48-20-3620**	9	7
5/8	**48-20-3621**	12	10
11/16	**48-20-3690**	5	3
3/4	**48-20-3790**	5-1/2	3-1/2
3/4	**48-20-3795**	9	7
7/8	**48-20-3860**	5	3



TOOTH ANCHOR CHUCKS AND ADAPTER

Use with hammering action only — Manual rotation

NO. 48-66-6720 For Bolt Size 1/4"-3/16" Anchor O.D. 7/16"
NO. 48-66-6730 For Bolt Size 3/8" Anchor O.D. 9/16"

CHUCK ADAPTER for tooth anchor chucks
NO. 48-03-3615

NO. 48-86-0100 DRIFT PIN
NO. 49-68-0075 RETAINING SPRING

TOOTH ANCHOR CHUCK KIT
NO. 49-22-2050 Includes all items listed above.

CHISEL AND CHISEL ADAPTER (Use with hammering action only.)
NO. 48-03-3620 CHISEL ADAPTER Fastens to nose of tool.
NO. 48-62-0300 CHISEL Use retaining spring NO. 49-68-0075.

1/2" INDUSTRIAL CHUCK AND ADAPTER (Use with rotation only.)
NO. 48-03-3590 CHUCK ADAPTER "A" taper shank. 1/2"-20 threaded end.
NO. 48-66-1280 1/2" CHUCK — Chuck Key NO. 48-66-3280 included.

MISCELLANEOUS ACCESSORIES

"A" TAPER ADAPTER

DUST SHIELD

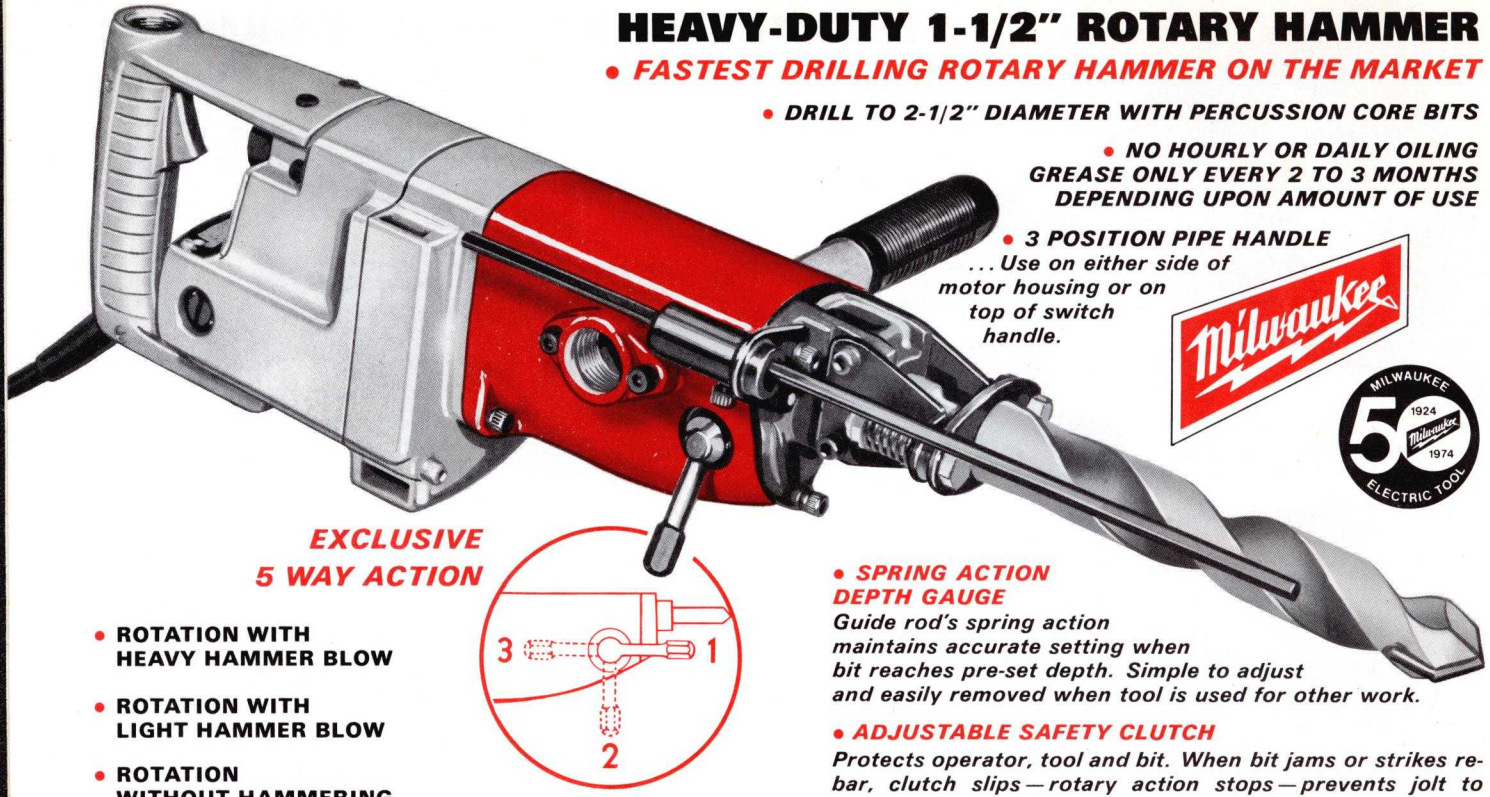
RETAINING SPRING

48-03-3610• "A" Taper Bit Adapter
48-86-0050• Drift Key for above
49-96-0080• Socket Wrench for Depth Gauge
49-62-0080• Dust Shield
49-08-0150• 3 oz. Lubricant for Mechanism
48-55-0570• Steel Carrying Case
49-68-0075 Retaining Spring
49-08-0500 1/2 Lb. Can "A" Grease For Gears
49-08-0800 1 Lb. Can "A" Grease For Gears

•Same as furnished with tool.

HEAVY-DUTY 1-1/2" ROTARY HAMMER

- ***FASTEST DRILLING ROTARY HAMMER ON THE MARKET***
- ***DRILL TO 2-1/2" DIAMETER WITH PERCUSSION CORE BITS***
- ***NO HOURLY OR DAILY OILING GREASE ONLY EVERY 2 TO 3 MONTHS DEPENDING UPON AMOUNT OF USE***
- ***3 POSITION PIPE HANDLE*** ... *Use on either side of motor housing or on top of switch handle.*



EXCLUSIVE 5 WAY ACTION

- **ROTATION WITH HEAVY HAMMER BLOW**
- **ROTATION WITH LIGHT HAMMER BLOW**
- **ROTATION WITHOUT HAMMERING**
- **HAMMERING WITH LIGHT BLOW**
- **HAMMERING WITH HEAVY BLOW**

The shift lever repositions the cam which operates the hammer mechanism. Can be used freely because it does not engage or disengage gears. In No. 1 position the tool operates with rotation only. Use with industrial 1/2" chuck for drilling wood or metal. No. 2 position produces rotation and light hammering action. Use with percussion carbide-tip bits up to 1/2" diameter and larger when drilling soft materials. No. 3 position produces rotation with heavy hammering action. Use with percussion carbide-tip bits 1/2" and larger. For hammering action without rotation, use the tool adapter assembly. This fits into the nose of the tool to accommodate hammer tools such as chisels or bull points. Use the light blow (Position 2) for scoring or when working in soft materials and the heavy blow (position 3) where full power is required.

- ***SPRING ACTION DEPTH GAUGE***

Guide rod's spring action maintains accurate setting when bit reaches pre-set depth. Simple to adjust and easily removed when tool is used for other work.

- ***ADJUSTABLE SAFETY CLUTCH***

Protects operator, tool and bit. When bit jams or strikes re-bar, clutch slips—rotary action stops—prevents jolt to operator and excessive wear on bit shank or nose bushing. Torque output adjustment is easily made.

- ***CAPACITIES***

For Percussion Carbide Bit Drilling in concrete and masonry 1/4" thru 1-1/2" dia. holes • Core Drilling 1-1/4", 1-1/2", 1-3/4", 2" and 2-1/2" holes • for Shell Anchors • Drills Steel to 1/2" diameter • Hammer Tools for chiseling, channeling, medium or light demolition work, chipping, scaling, slotting and tuck-pointing.

Designed for rugged use and long life. Hammer mechanism is a practical combination of heavy spring and cam action. The lift cam is counter balanced to minimize tool vibration. Hammering ram made of tool steel, precision ground and hardened. Ram is spring loaded and free floating. Ball and roller bearings on all rotating shafts . . . Triple gear reduction. During idling periods, shock of ram is absorbed by springs protecting components. Armature bearings are cushioned to prevent transmission of shock to the armature. Large fan and special vents provide maximum motor cooling.

115 VOLTS

CATALOG NUMBER	RPM LIGHT BLOW	RPM HEAVY BLOW	RPM ROTATION ONLY	BLOWS PER MIN. LIGHT BLOW	BLOWS PER MIN. HEAVY BLOW	LENGTH	NET WGT. LBS.	SHP. WGT. LBS.
5300	700	600	850	3800	3250	18"	19-3/4	45
5305	700	600	850	3800	3250	18"	19-3/4	52

STANDARD EQUIPMENT

NO. 5300 includes Rotary Hammer in steel carrying case, depth gauge, pipe handle, 1 lb. can of grease and hammer tool adapter.

NO. 5305 same as above. Also includes a scaling chisel, slotting chisel, mortar chisel, 11" bull point, 11" cold chisel, "A" taper chuck, 1/4" x 4", 3/8" x 4-1/2", 7/16" x 4-1/2", 1/2" x 4-1/2", 5/8" x 5" and 3/4" x 9" "A" taper bits and a drift pin.

CONVERSION KIT NO. 48-62-0205 Additional accessories to convert No. 5300 to No. 5305 as itemized above.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

STEEL CARRYING CASE as furnished with NOS. 5300 and 5305

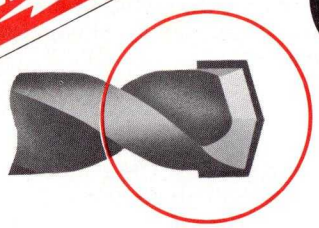
STEEL CARRYING CASE ONLY NO. 48-55-0600

See pages 27 and 28 for Percussion Carbide-Tip Bits, Hammer Tools and other accessories for the 5300 Rotary Hammer.

HEAVY-DUTY PERCUSSION CARBIDE-TIPPED BITS

FOR MODEL 5300 ROTARY HAMMER

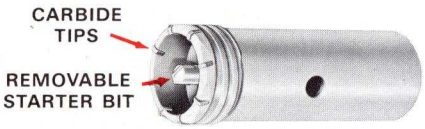
For High Speed, Low Cost Drilling in Concrete and Masonry



HIGHEST QUALITY CARBIDE TIP BRAZED TO STEEL BODY

Specially designed for continuous use with heavy blow and rotary action, MILWAUKEE Percussion Carbide-Tip Bits have heat-treated alloy steel shanks and bodies for durability and long life. Wide spiral with shallow oval flutes removes dust fast as it drills, resists packing and assures maximum drilling efficiency. Highest quality carbide tip is brazed to steel body, resists dulling, stays sharp longer and can be resharpened often.

ROTARY PERCUSSION CORE BITS



CORE BIT

MILWAUKEE Core Bits have heat-treated steel bodies with durable carbide tips. Specially designed for fast, accurate drilling with heavy hammering and rotary action.

CORE BITS

1-1/4" x 6"	**NO. 48-20-5250**
1-1/2" x 6"	**NO. 48-20-5510**
1-3/4" x 6"	**NO. 48-20-5760**
2" x 6"	**NO. 48-20-6010**
2-1/2" x 6"	**NO. 48-20-6050**

Above includes Core Bit and Starter Bit. Order Core Bit Adapter separately.

1/2" STARTER BITS

Same as furnished with Core Bits.

For 1-1/4"	**NO. 48-20-6105**
For 1-1/2"	**NO. 48-20-6110**
For 1-3/4"	**NO. 48-20-6120**
For 2"	**NO. 48-20-6130**
For 2-1/2"	**NO. 48-20-6140**

CORE BIT ADAPTERS

Order Separately

For 1-1/4" Core Bit
NO. 48-03-3515

For 1-1/2", 1-3/4", 2" and 2-1/2" sizes
NO. 48-03-3505
Above also fit Skil 726

EXTENSIONS

For 1-1/4" Core Bit
12" Long **NO. 48-95-6065**

For 1-1/2", 1-3/4", 2" and 2-1/2" Core Bits
7-1/2" long **NO. 48-95-6005**
12" long **NO. 48-95-6055**

AVAILABLE IN TWO TYPES

GENERAL PURPOSE BITS are used for deep hole drilling. No adapter is required. One piece bits fit directly into the nose of the hammer. Sizes range from 1/2" to 1-1/2" diameter. Shorter bits with "A" or "B" taper shanks are used with taper chucks. Sizes range from 1/4" to 1". Bits with taper shanks are economical and recommended where only shallow holes are needed.

FLAT TIP BITS are used for drilling accurate holes for anchors. Available in one piece or "B" taper shanks and in diameters from 7/16" to 1-1/8". Drill true holes with virtually flat bottoms for maximum seating and holding of anchors and expansion shields. Holes can be drilled to preset depth through use of depth gauge on Rotary Hammer.

GENERAL PURPOSE BITS

ONE PIECE
7/16" HEX. X 2-1/8" LONG SHANK

BIT DIA. (IN.)	CATALOG NO.	OVERALL LENGTH (IN.)	MAX. DRILLING DEPTH (IN.)
1/2	**48-20-1500**	10	4-1/4
1/2	**48-20-1502**	16	10-1/2
1/2	**48-20-1504**	22	16
9/16	**48-20-1560**	12	6-1/2
5/8	**48-20-1630**	10	4-1/2
5/8	**48-20-1632**	16	10-1/2
5/8	**48-20-1634**	22	16
11/16	**48-20-1690**	12	6-1/2
3/4	**48-20-1750**	10	4-1/2
3/4	**48-20-1752**	16	10-1/2
3/4	**48-20-1754**	23-1/2	18
7/8	**48-20-1880**	12	6-1/2
7/8	**48-20-1882**	23-1/2	18
1	**48-20-2000**	12	6-1/2
1	**48-20-2002**	23-1/2	18
1-1/8	**48-20-2130**	12	6-1/2
1-1/8	**48-20-2132**	23-1/2	18
1-1/4	**48-20-2250**	12	7
1-1/4	**48-20-2251**	23-1/2	18
1-3/8	**48-20-2370**	12	7
1-3/8	**48-20-2372**	23-1/2	18
1-1/2	**48-20-2500**	15	10
1-1/2	**48-20-2502**	23-1/2	18

FLAT TIP BITS

ONE PIECE
7/16" HEX. X 2-1/8" LONG SHANK

BIT DIA. (IN.)	CATALOG NO.	OVERALL LENGTH (IN.)	MAX. DRILLING DEPTH (IN.)
7/16	**48-20-4440**	8	2-3/4
15/32	**48-20-4470**	8	2-3/4
1/2	**48-20-4500**	8	2-3/4
9/16	**48-20-4560**	8	2-3/4
5/8	**48-20-4650**	8	2-3/4
11/16	**48-20-4690**	8	2-3/4
3/4	**48-20-4750**	9	4
27/32	**48-20-4840**	9	4
7/8	**48-20-4870**	9	4
1	**48-20-5000**	12	7
1-1/8	**48-20-5130**	12	7

FLAT TIP "B" TAPER
USE WITH "B" TAPER CHUCKS

BIT DIA. (IN.)	CATALOG NO.	OVERALL LENGTH (IN.)	MAX. DRILLING DEPTH (IN.)
7/16	**48-20-7440**	5-1/2	3-1/4
15/32	**48-20-7470**	8	5-1/2
1/2	**48-20-7500**	8	5-1/2
9/16	**48-20-7560**	8	5-1/2
5/8	**48-20-7620**	8	5-1/2
11/16	**48-20-7690**	8	5-1/2
3/4	**48-20-7750**	9	6-1/2
27/32	**48-20-7840**	9	6-1/2
7/8	**48-20-7870**	9	6-1/2
1	**48-20-8000**	9	6-1/2
1-1/8	**48-20-8130**	9	6-1/2

TAPER SHANK BITS
USE TAPER CHUCKS

"A" TAPER BITS
USE "A" TAPER CHUCKS

BIT DIA. (IN.)	CATALOG NO.	OVERALL LENGTH (IN.)	MAX. DRILLING DEPTH (IN.)
1/4	**48-20-3250**	4	2
1/4	**48-20-3252**	6	4
5/16	**48-20-3310**	4-1/2	2-1/2
5/16	**48-20-3312**	6	4
3/8	**48-20-3380**	4-1/2	2-1/2
3/8	**48-20-3381**	9	7
3/8	**48-20-3382**	12	10
7/16	**48-20-3440**	4-1/2	2-1/2
15/32	**48-20-3470**	4-1/2	2-1/2
1/2	**48-20-3499**	9	7
1/2	**48-20-3500**	4-1/2	2-1/2
1/2	**48-20-3501**	12	10
9/16	**48-20-3559**	5	3
9/16	**48-20-3560**	9	7
5/8	**48-20-3619**	5	3
5/8	**48-20-3620**	9	7
5/8	**48-20-3621**	12	10
11/16	**48-20-3690**	5	3
3/4	**48-20-3790**	5-1/2	3-1/2
3/4	**48-20-3795**	9	7
7/8	**48-20-3860**	5	3

"B" TAPER BITS
USE "B" TAPER CHUCKS

BIT DIA. (IN.)	CATALOG NO.	OVERALL LENGTH (IN.)	MAX. DRILLING DEPTH (IN.)
11/16	**48-20-3680**	9	6-3/4
3/4	**48-20-3750**	9	6-3/4
27/32	**48-20-3840**	9	6-3/4
7/8	**48-20-3870**	9	6-3/4
1	**48-20-3100**	9	6-3/4

TAPER CHUCKS

TAPER CHUCKS FOR "A" & "B" TAPER SHANK BITS
Drift pin included with each chuck.

TAPER CHUCK	MODEL NUMBER	CATALOG NUMBER
"A"	MILWAUKEE	**48-66-6500**
"B"	5300	**48-66-6501**
"A"	B & D	**48-66-6506**
"B"	717-718-719	**48-66-6505**
"A"	Skil 706	**48-66-6708**
"A"	Skil 726	**48-66-6500**
"B"	Skil 726	**48-66-6501**
"A"	Skil 728	**48-66-6709**
"B"	Skil 728	**48-66-6710**
"B"	Skil 736	**48-66-6507**
"A"	Skil 1706	**48-66-6708**
"A"	Hilti TE 17	**48-66-6750**
Drift Pins	when ordered separately	**48-86-0090*** **48-86-0100**

*Use with Chuck NO. 48-66-6708.

HEAVY-DUTY ROTARY HAMMER ACCESSORIES

FOR MODEL 5300 ROTARY HAMMER

Chucks for Tooth Anchors • Hammer Tools for Chiseling, Channeling, Light Demolition Work, Chipping, Scaling, Slotting and Tuckpointing Industrial 3-Jaw Chuck for Drilling Wood and Metal

HAMMER TOOLS

Made of Highest Quality Forged Steel
Use With Tool Adapter Assembly

SCALING CHISEL

1-3/4" x 5-1/2" x 10" long

For removing weld spatter or scale and cutting between drilled holes in concrete for large openings.
NO. 48-62-0210

MORTAR CUTTING CHISEL

1" x 5" x 11" long

For removing old mortar for tuckpointing or caulking and seaming.
NO. 48-62-0230

COLD CHISELS

3/4" x 11" or 18" long

For edging, chipping or channeling.
NO. 48-62-0250 11" lg.
NO. 48-62-0252 18" lg.

BULL POINTS

11" or 18" long

For light demolition work.
NO. 48-62-0240 11" lg.
NO. 48-62-0248 18" lg.

SLOTTING CHISEL

1-1/8" x 5-1/2" x 11" long

For slotting and cutting between drilled holes in concrete and masonry.
NO. 48-62-0220

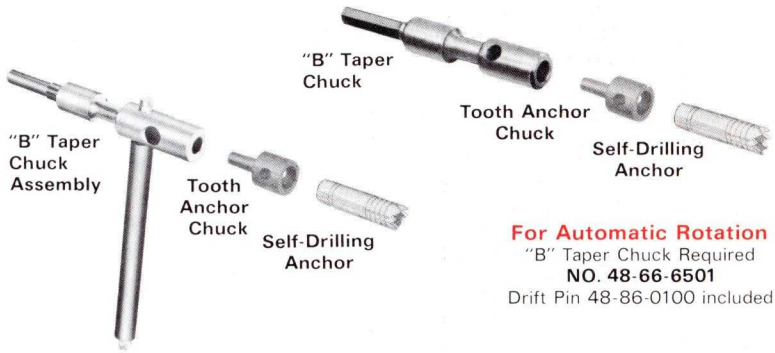
Use with "B" Taper Chucks Shown Below

TOOTH ANCHOR CHUCKS

For Self-Drilling Anchors

CATALOG NO.		DESCRIPTION		
48-66-6520		3/16"-1/4"		7/16"
48-66-6540	FOR	5/16"	O.D.	15/32"
48-66-6560	BOLT	3/8"	OF	9/16"
48-66-6580	SIZE	1/2"	ANCHOR	11/16"
48-66-6600		5/8"		27/32"

For final setting of anchors 1/2" and 5/8" use hand hammer and setting tool.



For Automatic Rotation

"B" Taper Chuck Required
NO. 48-66-6501
Drift Pin 48-86-0100 included

For Manual Rotation

"B" Taper Chuck Assembly Required
NO. 48-03-3600
Drift Pin 48-86-0100 included

TOOTH ANCHOR CHUCK KIT

NO. 49-22-2000

Tooth Anchor Chucks for bolt sizes 3/16", 1/4", 3/8", 1/2" and 5/8"; "B" Taper Chuck (48-66-6501) with Drift Pin (48-86-0100) and steel case.

INDUSTRIAL CHUCK and ADAPTER

Chuck Adapter
NO. 48-03-3000

1/2" Chuck
NO. 48-66-1280

Used with rotation only. Chuck threads on chuck adapter (1/2"-20 thread). Capacity in steel 1/2". Use as regular drill for other applications. Chuck key No. 48-66-3280 included with chuck (see page 18). Order both chuck and chuck adapter.

DUST SHIELD

NO. 49-62-0070

Same as furnished with each tool. Keeps foreign matter from entering nose of tool. Prevents grease contamination.

TOOL ADAPTER ASSEMBLY

NO. 48-03-0050

Same as furnished with each tool. Must be used with hammer tools for hammering action only.

MISCELLANEOUS

48-55-0600	Carrying Case Only (for 5300 Rotary Hammer)
48-86-0100	Drift Pin
49-08-0500	1/2 lb. Can "A" Grease
49-08-0800	1 lb. Can "A" Grease

HEAVY-DUTY DEMOLITION HAMMER

NEW CATALOG NO. 5330

INCLUDES HAMMER AND ALL STEEL CARRYING CASE

Hard hitting 2000 blows per minute demolition hammer. Built for chipping, chiseling, ramming or drilling of concrete and asphalt. The MILWAUKEE 5330 Demolition Hammer is engineered for top performance, high efficiency, dependability and long life. Three position pipe handle for versatile operation. New effective idle mechanism for prolonged service free operation coupled with ball and needle bearing construction to reduce wear and to minimize friction. The quality MILWAUKEE-built motor is housed in high strength aluminum alloy castings that are strong yet lightweight.

CONVENIENT TRIGGER SWITCH

- **Air cushioned double action system delivers maximum blow to bit — yet smooth operating to reduce fatigue**
- **High strength wear resistant piston does not require piston rings**
- **Grease after approximately 75 hours — doesn't require hourly or daily oiling**
- **Completely sealed mechanism excludes abrasive dust inside**

EASY ACCESS BRUSH COVERS

120 VOLTS

Fast breakup of concrete.

Fast breakup of asphalt.

Clay, compacted dirt quickly loosened with clay spade.

CATALOG NUMBER	BLOWS PER MIN.	LENGTH	NET WGT. LBS.	SHP. WGT. LBS.
5330	2000	27-1/2	29	60

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THIS TOOL COMPLIES WITH O.S.H.A. REQUIREMENTS

ACCESSORIES FOR NO. 5330 DEMOLITION HAMMER

A

B

C

D

E

F

G

H

I

A **NO. 48-62-0165 12" BULL POINT**
NO. 48-62-0175 20" BULL POINT

B **NO. 48-62-0065 12" COLD CHISEL**
NO. 48-62-0075 20" COLD CHISEL

C **NO. 48-62-0155 SCALING CHISEL**

D **NO. 48-62-0225 SLOTTING TOOL**

E **NO. 48-62-0900 BUSHING TOOL**
Used to surface concrete.
NO. 48-62-0910 BUSHING TOOL HEAD replacement.

F **NO. 48-62-1000 CLAY SPADE**

G **NO. 48-62-6000 GROUND ROD DRIVER**
Drives 5/8" or 3/4" electrical grounding rods.

H **STAR DRILLS**
NO. 48-88-1003 1" x 18"
NO. 48-88-1122 1-1/8" x 18"
NO. 48-88-1250 1-1/4" x 18"
NO. 48-88-1375 1-3/8" x 18"
NO. 48-88-1500 1-1/2" x 18"
NO. 48-88-1750 1-3/4" x 18"
NO. 48-88-2000 2" x 18"
NO. 48-88-2500 2-1/2" x 18"

I **NO. 49-15-0300 TURNING HANDLE** for use with Star Drills.

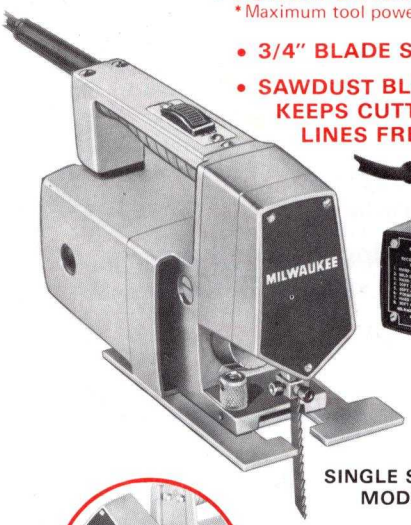
"C" GREASE 1 lb. can **NO. 49-08-1000**

CARRYING CASE NO. 48-55-0725 (When purchased separately)

HEAVY-DUTY JIG SAWS

2 MODELS • SINGLE SPEED • VARIABLE SPEED

- **POWERFUL .25 H.P. MOTOR***
  *Maximum tool power output horsepower.
- 3/4" BLADE STROKE
- SAWDUST BLOWER KEEPS CUTTING LINES FREE

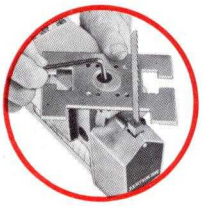


SINGLE SPEED MODEL

VARIABLE SPEED MODEL

PIVOTING HEAD

Cutting head is adjustable — right or left — to full 45° angle . . . calibrated settings.



TURN AND LOCK SHOE

Shoe quickly adjusts for straight, miter or flush cuts. Adaptable for every sawing application.

STEEL CARRYING CASE ONLY
NO. 48-55-1070

CATALOG NO.		STROKES PER MIN.	LGTH.	W.	HT.	NET WGT.	SHP. WGT.
SINGLE SPEED UNIT . . . 115 VOLT							
6270	With Case	3500	8"	3-1/2"	5-1/4"	5	14
6250	Less Case	3500	8"	3-1/2"	5-1/4"	5	8
SPEED CONTROL UNIT . . . 115 Volt AC Only							
6285	With Case	(1400 to 3500)	9-1/2"	3-1/2"	5-1/4"	5-1/4"	14
6280	Less Case		9-1/2"	3-1/2"	5-1/4"	5-1/4"	8

Standard equipment includes Jig Saw Blade Card No. 49-22-1160 for wood and metal — a total of 10 blades. Also included are a combination circle and rip guide, two socket wrenches, an extra blade clamp screw and one No. 48-66-4080 key holder.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

JIG SAW BLADES

USE GENUINE MILWAUKEE JIG-SAW BLADES

Designed for best cutting efficiency with custom milled teeth set and hardened for maximum performance. Special tungsten carbide blades are available for cutting abrasive materials. Tang properly positions blade in the blade clamp. Universal 1/4" tang fits most brands of jig saws.

CATALOG NUMBER	LGTH. (IN.)	TEETH PER INCH	QUAN. PER PKG.	MILWAUKEE JIG-SAW BLADES RECOMMENDED FOR CUTTING
METAL CUTTING . . . High Speed Steel Blades				
48-42-0100	2-3/4	14	5	Steel to 1/8", non-ferrous metals to 1/4", plastics, asbestos, fiberglass, rigid conduit, hard rubber and fiber.
48-42-0101		12		Same as above. 25% thicker for most severe applications.
48-42-0120		17		Metals 18 Ga. to 10 Ga., tubing, plastics.
48-42-0140		21		Metals lighter than 18 Ga., thin wall tubing, slate, formica.
WOOD CUTTING . . . GENERAL PURPOSE . . . High Carbon Steel				
48-42-0200	3-1/8	6	5	Pocket and roughing cuts on heavier sections. Fiberboard, asbestos, asphalt.
48-42-0220		8		Same as 6 tooth but for smoother finish.
48-42-0240				Taper ground for smoothest sawing.
WOOD CUTTING . . . FLUSH CUTTING . . . High Carbon Steel				
48-42-0300	3-5/8	8	4	Same use as 6 tooth General Purpose. Saws up to a wall.
WOOD CUTTING . . . DELUXE . . . High Speed Steel				
48-42-0400	3-1/8	6	5	"Shear tooth" for fast roughing work on light and medium sections. Pocket cuts.
48-42-0420	3-5/8		4	Same as above for fast roughing work on heavier sections.
WOOD CUTTING . . . DELUXE TAPER GROUND . . . High Speed Steel				
48-42-0500	3-5/8	6	5	Fast finish work on medium sections (1/2"-3/4") of plywood, formica, wood.
48-42-0520			4	Fast finish work on medium to heavy sections (1/2"-3/4").
48-42-0540		10	5	Fast finish work on light sections (1/4") thick of plywood, formica, wood.
48-42-0560			4	Fast finish work on light to medium sections (1/4"-3/8").
48-42-0600	3-5/8	6	5	Tight smooth scroll work. No distortion on curves. Saws plywood, formica, decorative veneers, plastics, etc. Thickness to 3/4".
48-42-0620		10		Same as above to thicknesses of 1/2".
48-42-0640				Same as above. Reverse tooth for smooth finish on top surface.
KNIFE CUTTING . . . High Carbon Steel				
48-42-0700	2-1/2	0	5	Cuts insulating material, leather, rubber, cardboard, sponge, felt, acoustical tile.
ABRASIVE MATERIALS . . . Medium Grit Tungsten Carbide				
48-42-0800	2-7/8	0	4	Plywood, hardwood veneer, fiberglass, (polyesters, epoxies, melamines, silicones), ceramic tile, cast stone, slate, clay pipe, carbon, brick, chalkboard.
48-42-0810	4	0	4	Same as above. Flush cuts to a wall.

JIG SAW BLADE CARD NO. 49-22-1160

Same as furnished with each Jig Saw. Consists of one each Nos. 48-42-(0100, 0120 and 0140) for metal, and Nos. 48-42-(0200, 0220, 0240, 0300, 0400, 0600 and 0640) for wood — a total of 10 blades.

WRENCH AND SCREW KITS

NO. 49-22-5060 For Jig Saws below serial no. 281-11240 (single speed) and serial no. 334-1415 (variable speed). Consists of five No. 49-96-0060 1/8" Socket Wrenches for blade clamp, five No. 49-96-0080 3/16" Socket Wrenches for pivoting head and shoe adjustments. Also twenty blade clamp screws.

NO. 49-22-5070 For Jig Saws serial no. 281-11240 (single speed) and above and serial no. 334-1415 (variable speed) and above. Consists of five No. 49-96-0050 3/32" Socket Wrenches for blade clamp, five No. 49-96-0080 3/16" Socket Wrenches for pivoting head and shoe adjustments. Also twenty blade clamp screws.

TYPE "A" GREASE NO. 49-08-0500 1/2 Lb. Can
TYPE "A" GREASE NO. 49-08-0800 1 Lb. Can

HEAVY-DUTY SAWZALL® ALL PURPOSE ELECTRIC HACKSAW

TWO SPEED SAWZALL®
2400/1700 Strokes per min.

3 BASIC MODELS

TWO SPEED SAWZALL®
NO. 6531 less case
NO. 6511 with case

TWO SPEED DOUBLE INSULATED SAWZALL®
NO. 6512 with case

VARIABLE SPEED SAWZALL®
NO. 6505 with case

SAWZALL®: *unsurpassed for overall performance and ruggedness.* Cuts any shape in any sawable material. Plunge cuts in wood and other resilient stock . . . no starting hole required. Two speed switch (2400/1700 strokes per min.) and durable glass reinforced nylon handle on models 6531, 6511 and 6512.

STEEL CARRYING CASE
(When purchased separately)
NO. 48-55-1560

RUGGED, SIMPLE RECIPROCATING MECHANISM built to stand large thrust loads in equal amount from either direction. Only three major moving parts. Heavy duty bearings.

DOUBLE INSULATED SAWZALL®
2400/1700 strokes per min. Two independent insulating barriers between electrical windings and spindle. Durable glass reinforced nylon handle. Protective front end boot.

VARIABLE SPEED SAWZALL®
Dial speeds 1100 thru 2550 strokes per min. Low speeds recommended for metal cutting. Control mechanism full wave rectifier type, transistorized components. 115 volt sawing power on all speeds. 60 cycles, AC only.

HEAVY-DUTY SAWZALL® SPECIFICATIONS — 115 Volts

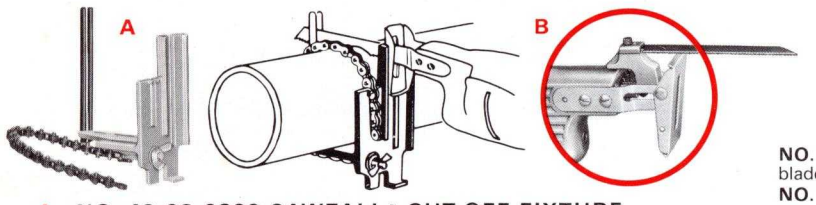
CATALOG NUMBER	LENGTH OF STROKE	OVERALL LENGTH (INCHES)	NET WEIGHT (LBS.)	SHIP WEIGHT (LBS.)
TWO SPEED SAWZALL®				
6531 Less Case	3/4"	16"	7	10
6511 With Case	3/4"	16"	7	18
TWO SPEED DOUBLE INSULATED SAWZALL®				
6512 With Case	3/4"	16"	7	18
VARIABLE SPEED SAWZALL® 1100 TO 2550 STROKES/MIN.				
6505 With Case	3/4"	15-1/8"	7	18

Standard equipment includes Sawzall Blade Card NO. 49-22-1120 for wood and metal — total of 11 blades. Also included are socket wrench and holder, extra blade clamp and screw.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

MILWAUKEE 50 1924 Milwaukee 1974 ELECTRIC TOOL

HEAVY-DUTY SAWZALL® ACCESSORIES



A NO. 48-08-0200 SAWZALL® CUT-OFF FIXTURE
Inexpensive time saving accessory, designed to make square accurate cuts thru plastic pipe and other materials up to 4-1/2" O.D. Easily accommodates irregular shapes to 3-1/4" x 4-1/2".

B NO. 48-03-2000 OFFSET BLADE ADAPTER
For close quarter sawing. Extra Blade Clamp and Blade Clamp Screw included.

SEE PAGES 32 AND 33 FOR COMPLETE LINE OF GENUINE SAWZALL BLADES

NO. 49-22-5080 WRENCH, SCREW AND CLAMP KIT consists of 10 blade clamp screws, 2 blade clamps and 2 socket wrenches.
NO. 49-22-5050 WRENCH AND SCREW KIT consists of 25 socket wrenches and 50 blade clamp screws.
NO. 49-96-0070 BLADE CLAMP WRENCH
NO. 48-66-4080 RUBBER FLEX WRENCH HOLDER
NO. 48-55-1560 STEEL CARRYING CASE
NO. 49-08-0500 "A" GREASE for gear case 1/2 lb. can
NO. 49-08-0800 "A" GREASE for gear case 1 lb. can
NO. 49-08-0600 "B" GREASE for mechanism 1/2 lb. can
NO. 49-08-0900 "B" GREASE for mechanism 1 lb. can

HEAVY-DUTY SAWZALL® BLADES

USE ONLY GENUINE SAWZALL® BLADES

SOLD IN BOX LOTS ONLY SEE QUANTITY PER BOX COLUMN

- *Custom Milled Teeth, Set and Hardened for Maximum Performance at the Exact Speed of the Sawzall.*
- *1/2" Tang Designed to Fit Most Competitive Reciprocating Saws*

		CATALOG NUMBER	TEETH PER INCH	LENGTH INCHES	QTY. PER BOX	RECOMMENDED FOR CUTTING
Purple — HIGH ALLOY STEEL	ZIP CUT	48-00-1001	3	3-1/2	10	Nail free woods . . . fastest cutting . . . fully hardened to withstand roughest sawing. Teeth, fleam sharpened to shear, not tear wood fibers. Canted shank provides for faster feed, deeper cut and ideal return stroke clearance.
		48-00-1002	3	6	10	
		48-00-1003	3	12	5	
Orange — HIGH ALLOY STEEL	TUFF BACK	48-00-1011	6	3-1/2	10	Nail embedded woods and composition materials . . . 12" blade affords flexibility for flush cutting.
		48-00-1012	6	6	10	
		48-00-2011	6	12	5	
		48-00-1013	10	3-1/2	10	For all woods . . . nail embedded woods, composition materials and light gauge non-ferrous metals.
		48-00-1014	10	6	10	
		48-00-2012	10	12.	5	
		48-00-2013	18	12	5	Nail embedded woods . . . for opening crates, boxes, removing wood siding and shingles.
Green — HIGH ALLOY STEEL	SPRING BACK	48-00-1021	6	3-1/2	5	All woods including nail embedded woods. Hardened and tempered to resist bend or twist. Even after severe twist, blade springs right back to its original shape.
		48-00-1022	6	6	5	
		48-00-1023	10	3-1/2	5	
		48-00-1024	10	6	5	
Silver — SPRING STEEL	GENERAL PURPOSE	48-00-1031	7	6	5	General roughing-in work in wood and nail embedded woods.
		48-00-1032	7	12	5	
		48-00-1033	7	9	5	
NEW *Black — SPRING STEEL*	GENERAL PURPOSE	48-00-1034	6	4	10	General roughing-in work in wood and nail embedded woods. Thinner and harder than 1031 series for faster cuts.
		48-00-1035	6	6	10	
		48-00-1036	6	9	10	
Black — SPRING STEEL	SAWZALL DELUXE	48-00-1041	6	6	5	Wood cutting . . . shear tooth design . . . fleam sharpened for shearing action . . . very fast cutting, long blade life.
		48-00-1042	6	12	3	
		48-00-1043	6	9	4	
White — HIGH ALLOY STEEL	PLASTER CUTTING	48-00-1051	5	3-1/2	10	For plaster, plaster with metal lath, plasterboard. Cuts on both forward and backward stroke.
		48-00-1052	5	6	10	
Black — BAND SAW STEEL	ALL-PURPOSE	48-00-1061	6	3-1/2	10	For nail free woods, plywood, asbestos and fiberboard . . . A general purpose economy type blade.
		48-00-1062	6	6	10	
		48-00-1063	10	3-1/2	10	Nail embedded woods, plywood, insulating board, and asbestos. Can also be used for cutting transite. Blade edge hardened.
		48-00-1064	10	6	10	
		48-00-2064▲	10	6	10	
		49-00-1065	18	3-1/2	10	For nail embedded woods, opening wooden crates or boxes, removing wood siding or shingles. Teeth are fully hardened.
		48-00-1066	18	6	10	
		48-00-2066▲	18	6	10	
		48-00-1067	24	3-1/2	10	For light gauge non-ferrous metals.
		48-00-1068	24	6	10	
Black — TUNGSTEN CARBIDE	TUNGSTEN CARBIDE	48-00-1410	SCROLL 0	3-1/2	3	Medium grit; for brick, carbon, claypipe, chalkboard, plywood, hardwood veneer plywood.
Black — TUNGSTEN CARBIDE	TUNGSTEN CARBIDE	48-00-1400†	0	4	3	Coarse grit; for fiberglass (epoxies, polyesters, silicones, malamines).
		48-00-1420†	0	6	3	Nail embedded wood, plaster with nails, asbestos cement.
Silver — SPRING STEEL	SPECIAL (KNIFE)	48-00-1071	KNIFE	4	10	Sponge, rubber, leather, felt and other resilient materials.
Silver — SPRING STEEL	SPECIAL (WAVY)	48-00-1081	WAVY	4	10	Corrugated cardboard, laminated fiberglass, tape and sheets, paper, cork and rubber.
Silver — SPRING STEEL	SPECIAL (SCALLOP)	48-00-1091	SCALLOP	4	10	Corrugated cardboard, laminated fiberglass, tape and sheets, paper, cork and rubber.

▲ All blades have teeth set to cut on up stroke except blades 48-00-1202, 48-00-2064 and 48-00-2066. These 3 blades have teeth set to cut on down stroke and are recommended when sawing veneers or plywood to prevent splintering on the finish side.

† With 2-Speed and Variable Speed SAWZALL use slower speeds. Carbide blades cut on both the up and down strokes giving better edge finish.

HEAVY-DUTY SAWZALL® BLADES

USE ONLY GENUINE SAWZALL® BLADES

	SOLD IN BOX LOTS ONLY SEE QUANTITY PER BOX COLUMN	CATALOG NUMBER	TEETH PER INCH	LENGTH INCHES	QTY. PER BOX	RECOMMENDED FOR CUTTING
Red — HIGH SPEED STEEL	METAL SCROLL	48-00-1101	14	2-1/2	10	Scroll cutting metals. 14 tooth for 1/8" and over; 18 tooth — 18 ga. to 1/8"; 24 tooth — lighter than 18 ga.
		48-00-1102★	18	2-1/2	10	
		48-00-1103★	24	2-1/2	10	
Orange — HIGH ALLOY STEEL	TWIN EDGE	48-00-1131	7	4-1/8	5	Plunge cutting wood and sawing back to a line. Hardened teeth and flexible center permits sawing in close-quarters. High resistance to bending or breaking. Ideal for roughing-in.
(SEE CHART)	WOOD SCROLL	48-00-1121	6	3-5/8	5	Sawing intricate shapes and scroll cuts in wood and synthetic structural materials. (1121) a carbon steel economy blade (Gray) (1151) a high speed steel Deluxe blade (Black).
		48-00-1151	6	3-5/8	5	
		48-00-1141	7	3-5/8	10	Rough cutting irregular contours in wood, fiberboard, asphalt and asbestos. Spring steel blade. (Silver).
		48-00-1201	6	3-5/8	5	High speed steel, hollow ground . . . Deluxe type . . . for fast, smooth finish scroll cuts in wood, plastics, formica and fiberglass. (Silver with black shank).
		48-00-1202▲	6	3-5/8	5	
Yellow — HIGH SPEED STEEL	METAL SCROLL	48-00-1161	10	3-5/8	10	Heavy gauge metal, hard rubber and fiber.
		48-00-1162	14	3-5/8	10	
Red — HIGH SPEED STEEL	METAL CUTTING (HIGH SPEED)	48-00-2175	10	8	5	Cast iron, steel or copper pipe to 4" dia., and also metal decking materials.
		48-00-1171	14	2-1/2	10	Metal heavier than 1/8" thick, angles, bar stock, hard rubber and fiber.
		48-00-1172	14	4	10	
		48-00-1179	14	6	10	
		48-00-1173★	18	2-1/2	10	Heavy gauge metals, conduit, pipe, channels and tubing.
		48-00-1174★	18	4	10	
		48-00-2170★	18	6	10	
		48-00-1175★	24	2-1/2	10	Metals lighter than 18 gauge sheet, trim and tubing.
		48-00-1176★	24	4	10	
		48-00-2171★	24	6	10	
		48-00-1177	32	2-1/2	10	Very light gauge metals . . . sheet trim and tubing.
		48-00-1178	32	4	10	
Blue — HIGH SPEED STEEL	METAL CUTTING (FLEXIBLE BACK)	48-00-1181	14	4	10	Heavy gauge metals, angles, bar stock 1/8" thick and above. Hard rubber. Teeth are fully hardened. Hardening of blade back limited to provide required resiliency.
		48-00-1182	14	6	10	
		48-00-1183★	18	4	10	Same characteristics as blades 1181 and 1182 except finer teeth for fast cutting of metals 18 gauge to 1/8" thick conduit, pipe, channels and tubing.
		48-00-1184★	18	6	10	
Green — HIGH ALLOY STEEL	PRUNING	48-00-1302	6	12	5	Pruning trees, smooth sawing green woods. Deep tooth design, fleam filed. Clean cuts wood fibers.

★ Some varieties of stainless steel can be cut with these blades.

▲ All blades have teeth set to cut on up stroke except blades 48-00-1202, 48-00-2064 and 48-00-2066. These 3 blades have teeth set to cut on down stroke and are recommended when sawing veneers or plywood to prevent splintering on the finish side.

ECONOMY BLADE ASSORTMENT

NO. 49-22-1080

A special package value includes 45 Sawzall Blades of 18 most popular types of cutting wood or metal. Consists of five each catalog Nos. 48-00-(1063, 1064, 1174); three each 48-00-(1061, 1102, 1183); two each 48-00-(1023, 1024, 1041, 1051, 1062, 1103, 1121, 1141, 1173); one each 48-00-(1031, 1002, 1012).

SAWZALL® BLADE CARD
NO. 49-22-1120

Consists of one each of 48-00-(1011, 1023,1031, 1041, 1064 and 1121) for wood, and 48-00-(1102, 1162, 1171, 1174 and 1182) for metal — a total of 11 blades.

HEAVY-DUTY PORTABLE ELECTRIC BAND SAW

2 SPEED PORTABLE BAND SAW
200 and 250 Surface Ft. Per Min.

- **Gear drive mechanism is lubricated with grease — no oiling required!**
- **Precision Needle Bearing Blade Guides**
- **Cuts to within 1" of floor**
- **Ideal for sawing PVC tubing**
- **Front T-Handle for better control**
- **Uses standard 44-7/8" x 1/2" x .020 band saw blades**

Saws metal, plastic, wood. Use it to cut large cable, pipe or round stock to 3-1/2" O.D., or rectangular stock up to 3-1/2" x 4-1/2". Cuts to within 1" of floor, ceiling or wall. Gearing design incorporates helical gearing plus a heavy-duty worm gear and a final chain and sprocket reduction. Hardened and precision ground steel worm meshes with alloy bronze gear for long life and smooth cool operation under all sawing applications. Gear drive mechanism is lubricated with grease — no oiling required.

STEEL CARRYING CASE, WHEN PURCHASED SEPARATELY NO. 48-55-1090

120 VOLT

CATALOG NUMBER	NO LOAD SURFACE FT. PER MIN. HIGH	NO LOAD SURFACE FT. PER MIN. LOW	CAPACITY ROUND STOCK	CAPACITY RECTANGULAR STOCK	LGTH. INS.	NET WGT. LBS.	SHP. WGT. LBS.
6225 Less Case	250	200	3-1/2"	3-1/2"x4-1/2"	20"	16	23
6226 With Case	250	200	3-1/2"	3-1/2"x4-1/2"	20"	16	34

Standard Equipment includes one No. 48-39-0360 quality 14 tooth high speed steel blade.

HEAVY-DUTY MILWAUKEE BAND SAW BLADES

CARBON STEEL BLADES An inexpensive utility blade for intermittent use that will cut a wide range of material.

CATALOG NUMBER	QTY. PER PKG.	RECOMMENDED USE	THICKNESS OF MATERIAL TO BE CUT	TEETH PER INCH
CARBON STEEL 48-39-0050	3	High speed cutting of aluminum, brass, copper, soft bronze, magnesium, wood, mild steel; and tougher steels at slow speed	1/2"-3-3/8"	6
CARBON STEEL 48-39-0060	3	High speed cutting of aluminum, brass, copper, magnesium, mild steel; and tougher steels at slow speed	3/8"-1"	8
CARBON STEEL 48-39-0070	3	High speed cutting of aluminum, angle iron, cast iron, bronze, brass, copper, galvanized pipe, mild steel; and tougher steels at slow speed	3/16"-3/4"	10
CARBON STEEL 48-39-0080	3	High speed cutting of aluminum, angle iron, cast iron, bronze, brass, copper, galvanized pipe, mild steel; and tougher steels and electric cable at slow speed	5/32"-1/2"	14
CARBON STEEL 48-39-0090	3	High speed cutting of angle iron, bronze, brass, copper, galvanized pipe, thin wall tubing, mild steel; and tougher steels at slow speed	1/8"-1/4"	18
48-39-0100	3		3/32"-1/8"	24

ALLOY STEEL BLADES Give greater blade life and sustain higher shock than carbon steel blades and cut a wider range of materials including tough alloys and structural steel.

HIGH SPEED STEEL BLADES High Speed Steel blades will outlast carbon steel and alloy steel blades for cutting most materials. Ideal for cutting carbon steel, drill rod and other solids and large diameter hard material.

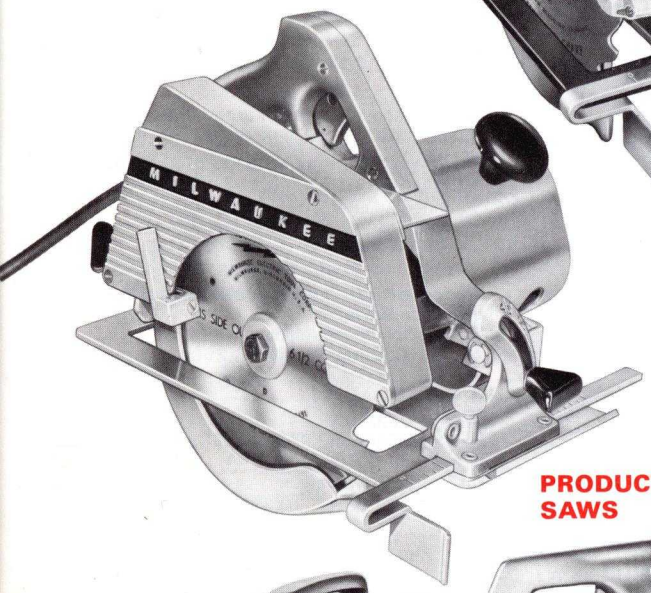
MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

CATALOG NUMBER	QTY. PER PKG.	RECOMMENDED USE	THICKNESS OF MATERIAL TO BE CUT	TEETH PER INCH
ALLOY STEEL 48-39-0250	1	High speed cutting of aluminum, angle iron, cast iron, bronze, brass, copper, galvanized pipe, mild steel; and tougher steel including chrome and tungsten steels at slow speed	3/16"-1"	10
ALLOY STEEL 48-39-0260	1	High speed cutting of aluminum, angle iron, cast iron, bronze, brass, copper, galvanized pipe, mild steel; and tougher steels including chrome, tungsten steels and electric cable at slow speed	5/32"-3/4"	14
ALLOY STEEL 48-39-0270	1	High speed cutting of angle iron, bronze, brass, copper, galvanized pipe, thin wall tubing, mild steel; and tougher steels including chrome and tungsten steels at slow speed	1/8"-1/2"	18
ALLOY STEEL 48-39-0280	1	High speed cutting of angle iron, bronze, brass, copper, galvanized pipe, thin wall tubing, mild steel; and tougher steels at slow speed	3/32"-1/8"	24
HIGH SPEED STEEL 48-39-0350	1	High speed cutting of aluminum, angle iron, bronze, brass, copper, galvanized pipe, mild steel; and tougher steels including stainless,	7/32"-7/8"	10
48-39-0360	1	chrome, tungsten steels plus other problem	3/16"-5/8"	14
48-39-0370	1	material at slow speed	5/32"-3/8"	18

HEAVY-DUTY CIRCULAR SAWS

CONTRACTORS SAWS

- Only 10-1/2 lbs.
- 2 Position Switch Control
- Ball and Roller Bearings
- Quick, Accurate Miter Adjustments
- Cut 2" Dressed Lumber at 45°
- Wide, Sturdy Wrap-Around Shoe
- Carpenter Square Construction
- Enclosed, Dustproof Switches
- Telescoping Guard with Snap-Back Action



EXCLUSIVE

Contractor Saws and Production Saws have a spring-loaded clutch drive to protect gears against backlash and wear. More than doubles gear life.

PRODUCTION SAWS

- Powerful Motor
- Ball and Roller Bearings
- Clear View Line Sighting
- One Piece Wrap-Around Shoe for Rigid Support
- Safe Telescoping Guard with Snap-Back Action
- Carpenter Square Construction
- Simple Miter and Depth Adjustments
- Split Handle Design for Easy Access to Electrical Connections

- Wide Race and Oversized Ball Bearings
- Large Machined Faces on Motor and Gear Housings Assure Solid Fit
- Handles Not Part of Motor Housing
- Rigid Steel Wrap-Around Shoe
- Fast, Positive Miter and Depth Adjustments
- Oil Plug at Side of Gear Case for Easy Fill
- Up to 1" Lumber Can Be Used on Either Side of Shoe When Ripping Large Panels

WORM DRIVE SAWS

EXCLUSIVE

Hardened and precision ground steel worm meshes with alloy bronze gear for long life and smooth operation under all sawing conditions.

BLADE SIZE	CATALOG NUMBER	SAW TYPE	VOLTS	"MAXIMUM MOTOR POWER OUTPUT H.P."	NO LOAD SPEED (RPM)	ARBOR	DEPTH OF CUT AT 90°	MAX. DEPTH OF CUT AT 45°	NET WEIGHT	SHP. WEIGHT
6-1/2"	**6292**	CONTRACTORS SAW WITH CASE	115	1.50	5600	5/8"	0 to 2-1/8"	1-3/4"	10-1/2	25
6-1/2"	**6293**	CONTRACTORS SAW LESS CASE	115	1.50	5600	5/8"	0 to 2-1/8"	1-3/4"	10-1/2	16
7"	**6330**	CONTRACTORS SAW WITH CASE	115	1.50	5400	5/8"	1/4" to 2-3/8"	1-7/8"	10-1/2	25
7"	**6331**	CONTRACTORS SAW LESS CASE	115	1.50	5400	5/8"	1/4" to 2-3/8"	1-7/8"	10-1/2	16

Standard Equipment: Includes Combination Saw Blade, Rip Guide and 1 ea. 9/16" & 1-3/8" Wrenches.

7-1/4"	**6340**	PRODUCTION SAW WITH CASE	115	1.85	5800	5/8"	0 to 2-17/32"	2-1/32"	14-3/4	34
7-1/4"	**6360**	PRODUCTION SAW LESS CASE	115	1.85	5800	5/8"	0 to 2-17/32"	2-1/32"	14-3/4	22
8-1/4"	**6380**	PRODUCTION SAW WITH CASE	115	1.85	5100	5/8"	3/4" to 3-1/32"	2-3/8"	15	34
8-1/4"	**6400**	PRODUCTION SAW LESS CASE	115	1.85	5100	5/8"	3/4" to 3-1/32"	2-3/8"	15	22

Standard Equipment: Includes Combination Saw Blade, Rip Guide and 1 ea. 9/16" & 1-3/8" Wrenches.

7-1/2"	**6371**	WORM DRIVE SAW WITH CASE	115	2.20	4400	DIAMOND	0 to 2-15/32"	2-1/16"	15-3/4	34
7-1/2"	**6370**	WORM DRIVE SAW LESS CASE	115	2.20	4400	DIAMOND	0 to 2-15/32"	2-1/16"	15-3/4	22

Standard Equipment: Includes Combination Blade, 9/16" Blade Wrench, Rip Guide and Lubricant.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES
THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

HEAVY-DUTY CIRCULAR SAW BLADES • ACCESSORIES

	BLADE DIA. INS.	CATALOG NUMBER	NUMBER OF TEETH	ARBOR HOLE INS.	RECOMMENDED FOR SAWING
COMBINATION	6-1/2	**48-40-1653**	16	*	For general sawing. Rip or cross-cut without changing blade.
	6-1/2	**48-40-1655**	44	*	
	7	**48-40-1722**	18	*	
	7-1/4	**48-40-1740**	40	*	
	7-1/4	**48-40-1752**	18	*	
	7-1/2	**48-40-1760**	20	*	
	7-1/2	**48-40-1763**	40	*	
	8-1/4	**48-40-1822**	20	*	
	8-1/4	**48-40-1825**	44	*	
CROSSCUT-FLOORING	6-1/2	**48-40-5655**	64	*	Cut hardwoods, flooring and crating fast. Close-set teeth produce smooth finish and hold edge longer when encountering nails.
	7	**48-40-5725**	70	*	
	7-1/4	**48-40-5755**	70	*	
	7-1/2	**48-40-5765**	70	*	
	8-1/4	**48-40-5825**	80	*	
RIP-CUT	6-1/2	**48-40-8654**	36	*	For high speed production sawing. Hook shaped teeth have alternate set filed square across to cut and not split fibers.
	7	**48-40-8724**	30	*	
	7-1/4	**48-40-8754**	30	*	
	7-1/2	**48-40-8764**	30	*	
	8-1/4	**48-40-8824**	30	*	
PLANER	6-1/2	**48-40-7656** •	50	*	Hollow ground to produce fine finish or smooth end grain. Minimizes planing and sanding.
	7	**48-40-7661** •	55	*	
PLYWOOD	6-1/2	**48-40-4655** •	150	*	For plywood, wallboard, masonite, light gauge non-ferrous metals, thin plastics. Fine teeth prevent tearing; hold sawdust to minimum.
	7	**48-40-4658** •	200	*	
NON-FERROUS	6-1/2	**48-40-6658** •	80	*	Hollow ground for cutting metals such as aluminum, magnesium, copper and brass.
	7	**48-40-6661** •	70	*	
CARBIDE-TIPPED	6-1/2	**48-40-3650**	12	5/8	For wood, Transite, Masonite, asbestos, Formica, composition siding, roofing. Chrome plated. Stay sharp up to 50% longer than steel-tipped blades.
	7	**48-40-3700**	12	5/8	
	7-1/2	**48-40-3750**	12	Diamond	
	8-1/4	**48-40-3820**	14	5/8	
CARBIDE-TIPPED NEW	6-1/2	**48-40-3660**	20	*	Inexpensive line available with 20 or 24 teeth. Carbide teeth are electronically fused to the blade for a stronger bond. Designed for use by the contractor for wood, Transite, Masonite, asbestos, Formica, siding and roofing.
	7	**48-40-3680**	24	*	
	7-1/4	**48-40-3725**	24	*	
	8-1/4	**48-40-3825**	24	*	
ABRASIVE CUTTING WHEELS	**FOR STONE OR CONCRETE** •				
	6	**49-92-3220**		5/8	For cutting stone or concrete. Safety reinforced nylon . . . bonded of uniform grit and break resistant.
	7	**49-92-4310**		5/8	
	7-1/4	**49-92-4370**		Diamond	
	8	**49-92-5000**		5/8	
	FOR METAL •				
	6	**49-92-3020**		5/8	For cutting metal. Safety reinforced nylon . . . bonded of uniform grit and break resistant.
	7	**49-92-4300**		5/8	
	7-1/4	**49-92-4380**		Diamond	
	8	**49-92-5010**		5/8	

* 5/8" arbor hole with knockout for diamond arbor.

• For 6-1/2" thru 8-1/4" saws.

BLADE ADAPTERS

Spindle flanges to convert arbors for blades with diamond shaped hole or for 5/8" hole.

To convert diamond arbor to 5/8" arbor for Worm Drive Saw. (Steel blades only)

Inner Adapter	Outer Adapter
Catalog No.	**Catalog No.**
48-03-2400	**48-03-2450**

(both required)

To convert 5/8" arbor to diamond arbor on other Saws.

Only Inner Adapter required

Catalog No. 48-03-2500

RIP FENCES

NO. 49-02-0050
For Contractor and Production Saws.
NO. 49-02-0070
For Worm Drive Saw

STEEL CARRYING CASES

NO. 48-55-1050 For Saws Nos. 6360, 6400.
NO. 48-55-1081 For Saws Nos. 6293, 6331.
NO. 48-55-1100 For Saw No. 6370.

MISCELLANEOUS

NO. 49-48-0050 Protractor
NO. 49-96-6200 9/16" Utility Wrench
NO. 49-96-6400 1-3/8" Open End Wrench
NO. 49-08-0500 1/2 Lb. Can "A" Grease
NO. 49-08-0800 1 Lb. Can "A" Grease

OIL FOR WORM DRIVE SAW

NO. 49-32-0050 1/2 Pt. Oil
NO. 49-32-0060 1 Pt. Oil
NO. 49-32-0070 1/2 Gal. Oil

See Your MILWAUKEE DISTRIBUTOR for Prices on Bulk Packaged Combination Blades

HEAVY-DUTY ELECTRIC CHAIN SAWS

16" and 20" SIZES

- CHAIN CUTTING SPEED 2000 FT. PER MIN.
- MOST POWERFUL ELECTRIC CHAIN SAW OF ITS SIZE
- LIGHTWEIGHT
- FLUSH CUTS . . . NO HOUSING OR BOLT OVERHANG
- LARGE SAWDUST AND CHIP REMOVAL PORT
- PLUNGER-TYPE CHAIN OILER . . . ONE PINT CAPACITY
- INSTANT START EVEN IN FREEZING TEMPERATURES
- NO FUEL . . . NO FIRE HAZARD
- QUIET, SMOOTH, ELECTRIC MOTOR
- ALL BALL BEARINGS

Ruggedly built, fast cutting Chain Saw with functional housing proportioned for best balance. Grip handles located for easy handling in any position. Dustproof trigger switch. Tempered steel Guide Bar with uniform hardness and straight rail for friction-free chain travel. 3/8" pitch Chipper Chain for all-around cutting. Recessed chain and guide bar adjustment. Cleats provide fulcrum for feeding into work.

CATALOG NUMBER	BAR LENGTH	VOLTS	MAXIMUM TOOL POWER OUTPUT H.P.	CUTTING SPEED FT./MIN.	NET WT. LBS.	SHP. WT. LBS.
6205	16"	115	2.00	2000	17-1/2	24
6206	20"	115	2.00	2000	18-1/2	26

Standard Equipment Includes Chipper Chain and Wrench.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

CONVERSION KITS

Convert previous models 6200 and 6201 Chain Saws to use new guide bars and chains listed for 6205 and 6206 Chain Saws. Kits include a sprocket, guide bar and chain.

NO. 49-22-4016 16" CONVERSION KIT (For Cat. No. 6200)
NO. 49-22-4020 20" CONVERSION KIT (For Cat. No. 6201)

ACCESSORIES FOR MODELS 6205 AND 6206

GUIDE BARS

CHAINS

FILE AND HOLDER

SPROCKET

NO. 48-09-5016 16" GUIDE BAR
NO. 48-09-5020 20" GUIDE BAR
NO. 48-58-0016 16" CHIPPER CHAIN
NO. 48-58-0020 20" CHIPPER CHAIN
NO. 49-17-0100 FILE AND HOLDER (For use with 3/8" pitch chain)
NO. 49-22-3010 CHAIN REPLACEMENT KIT (For use with Chipper Chain) Includes tie straps and drive link.
NO. 49-96-6200 CHAIN SAW WRENCH
NO. 49-08-0500 1/2 LB. TYPE "A" GREASE
NO. 49-08-0800 1 LB. TYPE "A" GREASE

ACCESSORIES FOR PREVIOUS MODELS 6200 AND 6201

NO. 48-58-0050 16" CHIPPER CHAIN
NO. 48-58-0070 20" CHIPPER CHAIN
NO. 49-17-0100 FILE AND HOLDER (For use with 3/8" pitch chain)
NO. 49-22-3000 CHAIN REPLACEMENT KIT (For use with Chipper Chain) Includes tie straps and drive link.
NO. 49-96-6200 CHAIN SAW WRENCH
NO. 49-08-0500 1/2 LB. TYPE "A" GREASE
NO. 49-08-0800 1 LB. TYPE "A" GREASE

HEAVY-DUTY ROUTERS

2 MODELS: 1.00 HP 8 AMPS 1.50 HP 10 AMPS

- **OUT-OF-WAY ELECTRIC CORD**
- **FLAT TOP FOR STEADY POSITIONING**
  For changing bits, removing base or measuring bit for depth of cut.

- ***MOST POWERFUL 1.00 and 1.50 HP ROUTERS ON THE MARKET***
  The highest amp ratings of any routers in their class. Reserve horsepower for extra heavy-duty jobs.

ALL BALL BEARINGS

- **FUNCTIONAL TRIGGER-HANDLE GROUPING**
  Textured handles, for maximum comfort and no slip gripping, permit on-off switch operation without releasing the handle.

Milwaukee

MILWAUKEE 1924 50 1974 Milwaukee ELECTRIC TOOL

CATALOG NUMBER	MAXIMUM TOOL POWER OUTPUT H.P.	NO LOAD SPEED RPM	COLLET CAPACITY	SUB BASE DIA.	OVER-ALL HGTH.	NET WGT. LBS.	SHP. WGT. LBS.
						115 VOLTS	
5620	1.00	23,000	1/4"-3/8"	6"	8"	8	10
5660	1.50	23,000	1/4"-3/8"-1/2"	6"	8"	8-1/2	11

STANDARD EQUIPMENT
1.00 HP ROUTER model 5620 includes a 1/4" collet (cat. no. 48-66-0930), 2 open end wrenches (7/8" open end cat. no. 49-96-4070) and router base (cat. no. 48-10-0060).
1.50 HP ROUTER model 5660 includes a 1/4" collet (cat. no. 48-66-0945). 2 open end wrenches (7/8" open end, cat. no. 49-96-4475 and a 1-1/8" open end cat. no. 49-96-4505) and router base (cat. no. 48-10-0060).

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

MOTOR

BASE

MOTORS ONLY
NO. 5610 Motor for 1.00 H.P. Unit
NO. 5650 Motor for 1.50 H.P. Unit
Motor includes 2 wrenches, 1/4" collet, adjusting ring and power cord.

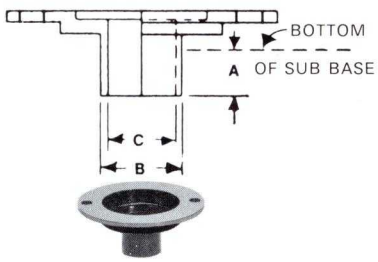
BASE ONLY NO. 48-10-0060 For 1.00 and 1.50 H.P. units. Base includes 2 handles, sub base and wing lock nut.

- **ACCURATE SIMPLE DEPTH ADJUSTMENT**
  Adjusting ring, marked in 1/64" graduations, permits friction-free operation with locking device to maintain depth-of-cut.
- **HEAVY-DUTY SUB BASE**
  With large openings for maximum visibility.

ERICKSON COLLETS FOR MILWAUKEE ROUTERS

For 1.00 H.P. Models 5620 and 5610
NO. 48-66-0930 1/4" COLLET
NO. 48-66-0940 3/8" COLLET

For 1.50 H.P. Models 5660 and 5650
NO. 48-66-0945 1/4" COLLET
NO. 48-66-0950 3/8" COLLET
NO. 48-66-0955 1/2" COLLET

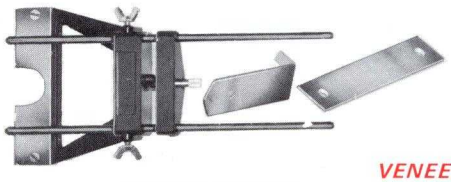


GENERAL TEMPLATE GUIDES AND HINGE BUTT GUIDE

For 1.00 H.P. and 1.50 H.P. Routers (Includes 2 screws)

TEMPLATE	DIMENSIONS A	B	C	CATALOG NUMBER
GENERAL	5/16	1/4	3/16	**49-54-0500**
GENERAL	3/16	3/8	5/16	**49-54-0510**
GENERAL	5/16	7/16	3/8	**49-54-0520**
GENERAL	3/16	5/8	9/16	**49-54-0530**
HINGE BUTT	7/16	5/8	9/16	**49-54-0550**

STEEL CARRYING CASE



ROUTER GUIDE

VENEER TRIM KIT

DOOR AND JAMB BUTT TEMPLATE KIT

STEEL CARRYING CASE FOR MILWAUKEE ROUTERS
NO. 48-55-0810

ROUTER GUIDE NO. 49-54-0200
For straight or circular cuts. Guide includes trammel point assembly for cutting circles.

VENEER TRIM KIT NO. 49-54-0300
For cutting hard plastic laminates. Comes complete with base, mounting screws, combination straight and bevel trim bit and extra nylon guide.

OPEN END WRENCHES (See Standard Equipment)
7/8" WRENCH NO. 49-96-4070
1-1/8" WRENCH NO. 49-96-4080

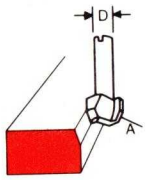
DOOR AND JAMB BUTT TEMPLATE KIT NO. 49-54-0100
Includes carrying case, template, link rail assemblies, template nails and end gauges. Will mortise any 6'6", 6'8" or 7' door and any hinge size 2-1/2" to 5-1/2". Kit includes detailed instructions for proper use. Additional template nails (12 per package) are available (cat. no. 49-54-0600). Order hinge butt template guide (cat. no. 49-54-0550) separately.

CARRYING CASE ONLY FOR DOOR AND JAMB BUTT KIT NO. 48-55-0800

HEAVY-DUTY ROUTER BITS

HIGHEST QUALITY FOR BEST PERFORMANCE AND LONG LIFE

MILWAUKEE ROUTER BITS are a select line, made from high-speed steel, carbide tipped and solid carbide steel. Each bit has been carefully evaluated and approved for use with the new routers. Double-ground edges, consistent matching contours, high speed geometry and critical hardness control all add up to maximum accuracy and economy.

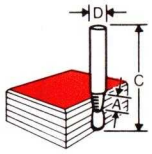


COMBINATION STRAIGHT AND 22° BEVEL TRIM BIT

Combines 22° bevel trim and flush trim cuts in one bit.

CARBIDE TIPPED

CATALOG NUMBER	A DEGREES	D IN.
48-23-6715	22	1/4

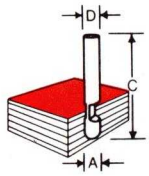


7-1/2° BEVEL TRIMMER

With pilot. For finish trim edge on plastic laminate doors, tables and furniture.

SOLID CARBIDE

CATALOG NUMBER	A DEGREES	C IN.	D IN.
48-23-5195	7	1-1/2	1/4

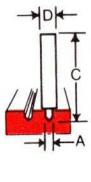


FLUSH TRIM BIT

With pilot. Produces square, flush edge on plastic laminates.

SOLID CARBIDE

CATALOG NUMBER	A IN.	C IN.	D IN.
48-23-5235	1/4	1-5/8	1/4

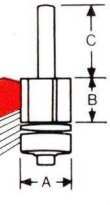


PROVINCIAL DESIGN VEINER BITS

Most practical for veining designs on panels, cabinet doors and furniture.

SOLID CARBIDE

CATALOG NUMBER	A IN.	C IN.	D IN.
48-23-5295	1/8	1-1/2	1/4
48-23-5300	3/16	1-1/2	1/4



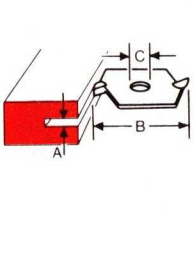
HELIX LAMINATE TRIMMERS

Designed to force the laminate against backing for chip free cuts — eliminates surface flake out. Replaceable ball bearing pilot.

CARBIDE TIPPED

CATALOG NUMBER	TYPE OF CUT	A IN.	B IN.	C IN.	D IN.
48-23-6700	Flush	3/4*	5/8	1	1/4
48-23-6710	15°	3/4*	3/8	1	1/4

*Replaceable Bearing 49-54-1050.

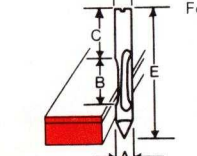


TWO WING SLOTTING CUTTERS

Used for slotting plywoods and core boards for "T" moldings.

CARBIDE TIPPED

CATALOG NUMBER	A IN.	B IN.	C IN.
48-23-8000	1/16	1-7/8	5/16
48-23-8010	5/64	1-7/8	5/16
48-23-8020	3/32	1-7/8	5/16
48-23-8030	1/4	1-7/8	5/16



*Stiffening Collars included with Slotting Cutters — two each for 1/16", 5/64" and 3/32" and one for 1/4".

NOTE
USE ABOVE WITH SLOTTING CUTTER ARBOR Catalog No. 48-23-8050

Includes 1/4" shank Slotting Cutter Arbor, Nut Washer and Bearing.

Replacement Arbor Bearing No. 49-54-1080.

COMBINATION PILOT PANEL BITS WITH DRILL POINTS — SINGLE FLUTE

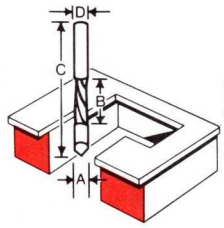
For trimming veneer and for template panel routing.

HIGH SPEED STEEL

CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.	E IN.
48-23-1010	1/4	3/4	1	1/4	2-5/8
48-23-1015	3/8	7/8	1	3/8	3

CARBIDE TIPPED

48-23-6000	1/4	7/8	1-1/4	1/4	2-1/2
48-23-6020	3/8	1	1-1/4	3/8	3

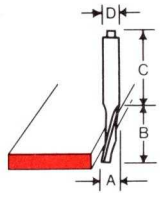


DOWN SPIRAL PILOT PANEL BITS WITH DRILL POINTS

For cutting aluminum sheet, plywood, wall panels, insulation sheeting and other synthetic materials.

HIGH SPEED STEEL

CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.
48-23-1020	1/4	3/4	2-5/8	1/4
48-23-1025	3/8	7/8	3-1/2	3/8
48-23-1030	1/2	1-3/4	4-1/2	1/2

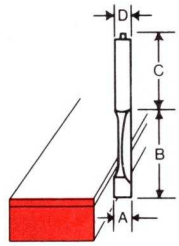


RIGHT HAND SPIRAL BIT

For trimming aluminum and non-ferrous metals.

HIGH SPEED STEEL

CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.
48-23-1500	1/4	3/4	1-1/4	1/4



PILOT PANEL BIT — SINGLE FLUTE

For trimming veneer and for template panel routing.

HIGH SPEED STEEL

CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.
48-23-1000	1/4	3/4	1	1/4

STRAIGHT BITS — TWO FLUTES

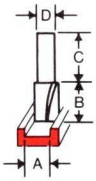
For all general purpose routing (rabbeting, grooving, dadoing, etc.). Smooth finish cuts. Use long shank bits where nature of cut requires longer shank extension.

HIGH SPEED STEEL

CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.
48-23-0050	1/4	3/4	1-1/4	1/4
48-23-0055	1/4	1	1-1/4	1/4
48-23-0060	5/16	3/4	1-1/4	1/4
48-23-0065	5/16	1-1/8	1-3/16	1/4
48-23-0070	3/8	3/4	1-1/4	1/4
48-23-0110	3/8	1-1/8	1-1/4	3/8
48-23-0125	3/8	1-1/8	1-7/16	1/2
48-23-0075	7/16	7/8	1-1/4	1/4
48-23-0080	1/2	7/8	1-1/4	1/4
48-23-0130	1/2	1-1/8	1-7/16	1/2
48-23-0140	1/2	2	2	1/2
48-23-0085	9/16	1	1	1/4
48-23-0090	5/8	7/8	1-1/4	1/4
48-23-0145	5/8	1-1/8	1-7/16	1/2
48-23-0095	11/16	1	1	1/4
48-23-0100	3/4	7/8	1-1/4	1/4
48-23-0150	3/4	1-1/8	1-7/16	1/2
48-23-0155	13/16	1-1/8	1-7/16	1/2
48-23-0160	7/8	1-1/8	1-7/16	1/2
48-23-0170	1	1-1/8	1-7/16	1/2

CARBIDE TIPPED

48-23-5055	1/4	3/4	1-1/4	1/4
48-23-5056	1/4	1	1-1/4	1/4
48-23-5105	1/4	3/4	1	3/8
48-23-5065	5/16	1	1-1/4	1/4
48-23-5070	3/8	1	1-1/4	1/4
48-23-5110	3/8	1-1/4	1	3/8
48-23-5126	3/8	1	1-1/4	1/2
48-23-5080	1/2	1	1-1/4	1/4
48-23-5115	1/2	1	1	3/8
48-23-5141	1/2	1-1/4	1-3/8	1/2
48-23-5142	1/2	2	1-7/8	1/2
48-23-5090	5/8	3/4	1-1/4	1/4
48-23-5100	3/4	3/4	1-1/4	1/4
48-23-5150	3/4	3/4	1-3/8	1/2



STRAIGHT BITS — SINGLE FLUTE

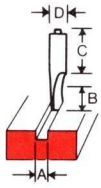
For all general purpose routing (rabbeting, grooving, dadoing, etc.). Fast rough cuts. Use long shank bits where nature of cut requires longer shank extension.

HIGH SPEED STEEL

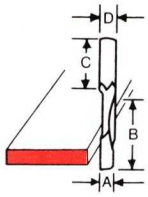
CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.
48-23-0010	1/16	3/16	1	1/4
48-23-0015	1/8	5/16	1	1/4
48-23-0035	1/8	5/8	1-3/16	1/4
48-23-0020	5/32	3/8	1	1/4
48-23-0025	3/16	7/16	1	1/4
48-23-0040	3/16	3/4	1-3/16	1/4
48-23-0030	7/32	7/16	1	1/4
48-23-0045	1/4	1	1-3/16	1/4
48-23-0046	3/8	1-1/8	1-3/16	3/8

CARBIDE TIPPED

48-23-5025	3/16	3/8	1-1/16	1/4



HEAVY-DUTY ROUTER BITS



STAGGER TOOTH STRAIGHT BIT

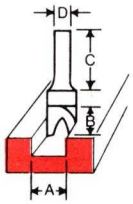
Excellent for cut outs. This design gives the bit two flute balance with single flute cutting speed.

CARBIDE TIPPED

CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.
48-23-5143	1/2	2	1-5/8	1/2

HINGE MORTISING BITS

Fast cutting bit for making mortises when cut is started from edge of work.



HIGH SPEED STEEL

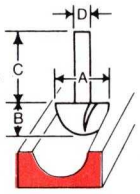
CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.
48-23-1100	3/8	7/16	1-1/8	1/4
48-23-1110	7/16	3/8	1-1/8	1/4
48-23-1120	1/2	13/32	1-1/8	1/4

CARBIDE TIPPED

48-23-6100	1/2	3/4	1-7/32	1/4

CORE BOX BITS — TWO FLUTES

Especially effective in fluting flat surfaces (mantels and facades).

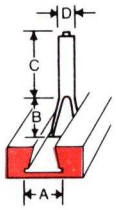


HIGH SPEED STEEL

CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.
48-23-0200	1/4	1/4	1	1/4
48-23-0205	5/16	1/4	1	1/4
48-23-0210	3/8	3/8	1-1/4	1/4
48-23-0215	7/16	5/16	1	1/4
48-23-0220	1/2	11/32	1	1/4
48-23-0225	9/16	3/8	*1	1/4
48-23-0230	5/8	1	1-1/4	1/4
48-23-0235	11/16	7/16	1	1/4
48-23-0240	3/4	15/32	1	1/4

DOVETAIL BITS

For making dovetail.

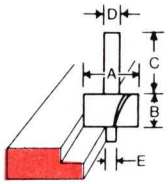


HIGH SPEED STEEL

CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.
48-23-1300	9/32	3/8	1-1/4	1/4
48-23-1310	9/16	17/32	1-3/32	1/4

RABBETING BITS

With pilot. For making rabbeting cuts without use of router guide. Carbide tip bit has replaceable ball bearing pilot.



HIGH SPEED STEEL

CATALOG NUMBER	RABBET DEPTH IN.	A IN.	B IN.	C IN.	D IN.	E IN.
48-23-1400	1/4	11/16	7/16	1	1/4	3/16
48-23-1410	3/8	15/16	1/2	1	1/4	3/16

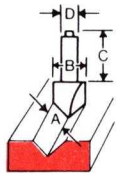
CARBIDE TIPPED

48-23-6400	3/8	1-1/4	1/2	1-1/2	1/4	*

*REPLACEMENT BALL BEARING 49-54-1060 . . . By substituting Bearing 49-54-1070, rabbet depth can be increased to 1/2".

V-GROOVING BITS

Excellent for lettering and sign work.

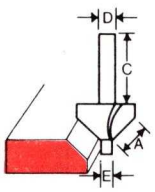


HIGH SPEED STEEL

CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.
48-23-0600	9/32	3/8	1	1/4
48-23-0610	5/8	1	1	1/4

CHAMFERING BITS — TWO FLUTES

With pilot. For decorative edging and making concealed joints. Carbide tip bit has replaceable ball bearing pilot.



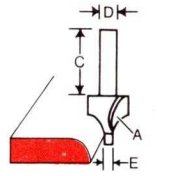
HIGH SPEED STEEL

CATALOG NUMBER	A IN.	C IN.	D IN.	E IN.
48-23-1200	5/8	1	1/4	3/16

CARBIDE TIPPED

48-23-6200	5/8	1	1/4	

*Replaceable Bearing 49-54-1090.



CORNER ROUNDING BITS

With pilot. For decorative edging and for drop leaf table joints. Carbide tip bits have replaceable ball bearing pilot.

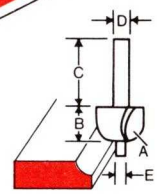
HIGH SPEED STEEL

CATALOG NUMBER	A IN. RADIUS	C IN.	D IN.	E IN.
48-23-0400	3/16	1	1/4	3/16
48-23-0410	1/4	1	1/4	3/16
48-23-0420	5/16	1	1/4	3/16
48-23-0430	3/8	1	1/4	3/16
48-23-0440	1/2	1	1/4	3/16

CARBIDE TIPPED

48-23-5410	1/4	1	1/4	*
48-23-5430	3/8	1	1/4	*

*Replaceable Bearing 49-54-1060 . . . Converts to Beading Bit by substituting Bearing No. 49-54-1070.



COVE BITS — TWO FLUTES

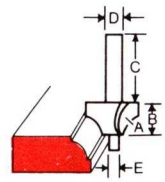
With pilot. For decorative edging and for drop leaf table joints.

HIGH SPEED STEEL

CATALOG NUMBER	A IN. RADIUS	B IN.	C IN.	D IN.	E IN.
48-23-0300	3/16	1/2	1	1/4	3/16
48-23-0310	1/4	1/2	1	1/4	3/16
48-23-0320	3/8	3/4	1	1/4	3/16
48-23-0330	1/2	25/32	1	1/4	3/16

BEADING BITS — TWO FLUTES

With pilot. For decorative furniture. Pilot guides router along edge of work. Carbide tip bits have replaceable ball bearing pilot.



HIGH SPEED STEEL

CATALOG NUMBER	A RADIUS	B IN.	C IN.	D IN.	E IN.
48-23-0500	1/16	1/4	1	1/4	3/16
48-23-0510	1/8	3/8	1	1/4	3/16
48-23-0520	1/4	1/2	1	1/4	3/16
48-23-0530	3/8	3/4	1	1/4	3/16

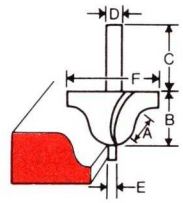
CARBIDE TIPPED

48-23-5520	1/4	1/2	1	1/4	*
48-23-5530	3/8	5/8	1	1/4	*

*Replaceable Bearing 49-54-1070 . . . Converts to Corner Rounding Bit by substituting Bearing 49-54-1060.

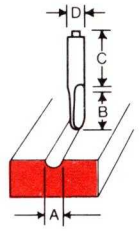
ROMAN OGEE BITS

With pilot. For decorative furniture. Pilot guides router along edge of work.



HIGH SPEED STEEL

CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.	E IN.	F IN.
48-23-0800	5/32	1/2	1	1/4	3/16	15/16
48-23-0810	1/4	3/4	1	1/4	3/16	1-3/16

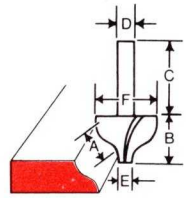


VEINING BITS — SINGLE FLUTE

For decorative line work on any flat surface.

HIGH SPEED STEEL

CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.
48-23-0700	1/8	5/16	1	1/4
48-23-0710	3/16	7/16	1	1/4
48-23-0720	7/32	7/16	1	1/4



OGEE BITS

For decorative cuts. Clamp straight edge or template on the work and use as a guide for the outside edge of router base.

HIGH SPEED STEEL

CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.	E IN.	F IN.
48-23-0900	3/16	5/8	1	1/4	3/16	13/16
48-23-0910	9/32	29/32	1	1/4	3/16	1-3/16

HEAVY-DUTY ORBITAL SANDER

- ***DIRECT DRIVE . . . NO GEARS OR BELTS***
- ***HIGH SPEED . . . 10,000 ORBITS PER MINUTE***
- ***LEAVES NO SWIRL MARKS***

For fast, high production, satin-smooth finishing of wood, metal or plastics. Sands thin veneers without scoring, burning or tracking — no swirl marks. Lightweight for ease in handling overhead, vertically, on edges, in corners, contours or on offset surfaces. Compact design only 5-3/4" high with no protruding parts to interfere with working surface. Powerful oversize Milwaukee Built Motor. Multiple blade fan draws air around every part for cooler operation. Mechanism counter balanced to prevent vibration. Heavy-duty 2-pole, thumb-slide switch. Three grease sealed, precision ball bearings — No further lubrication required.

STEEL CARRYING CASE
When purchased separately
NO. 48-55-0850

115 VOLT

CATALOG NUMBER	DESCRIPTION	ORBITS PER MIN.	DIA. OF ORBIT	LENGTH	WIDTH	HEIGHT	NET WGT. LBS.	SHP. WGT. LBS.
6000	WITH FELT PAD LESS CASE	10,000	1/8"	10-1/4"	3-9/16"	5-3/4"	5	9
6001	WITH FELT PAD WITH CASE	10,000	1/8"	10-1/4"	3-9/16"	5-3/4"	5	13
6002	WITH RUBBER PAD LESS CASE	10,000	1/8"	10-1/4"	3-9/16"	5-3/4"	5	9
6003	WITH RUBBER PAD WITH CASE	10,000	1/8"	10-1/4"	3-9/16"	5-3/4"	5	13

Standard Equipment includes a Package of 10 Assorted Sheets of Sandpaper, NO. 49-37-0010.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

ORBITAL SANDER SANDPAPER Aluminum-Oxide Open Coat Production Paper. Sizes 3-2/3" x 9", 1/3 of Standard 9" x 11" Sheet.

CATALOG NUMBER	GRIT	GRADE	SHEETS PER PKG.
49-37-0050	50	COARSE	10
49-37-0080	80	MEDIUM	10
49-37-0120	120	FINE	10
•49-37-0010	50 80 120	COARSE MEDIUM FINE	10 ASSORTED

•Same as Furnished With Each Orbital Sander.

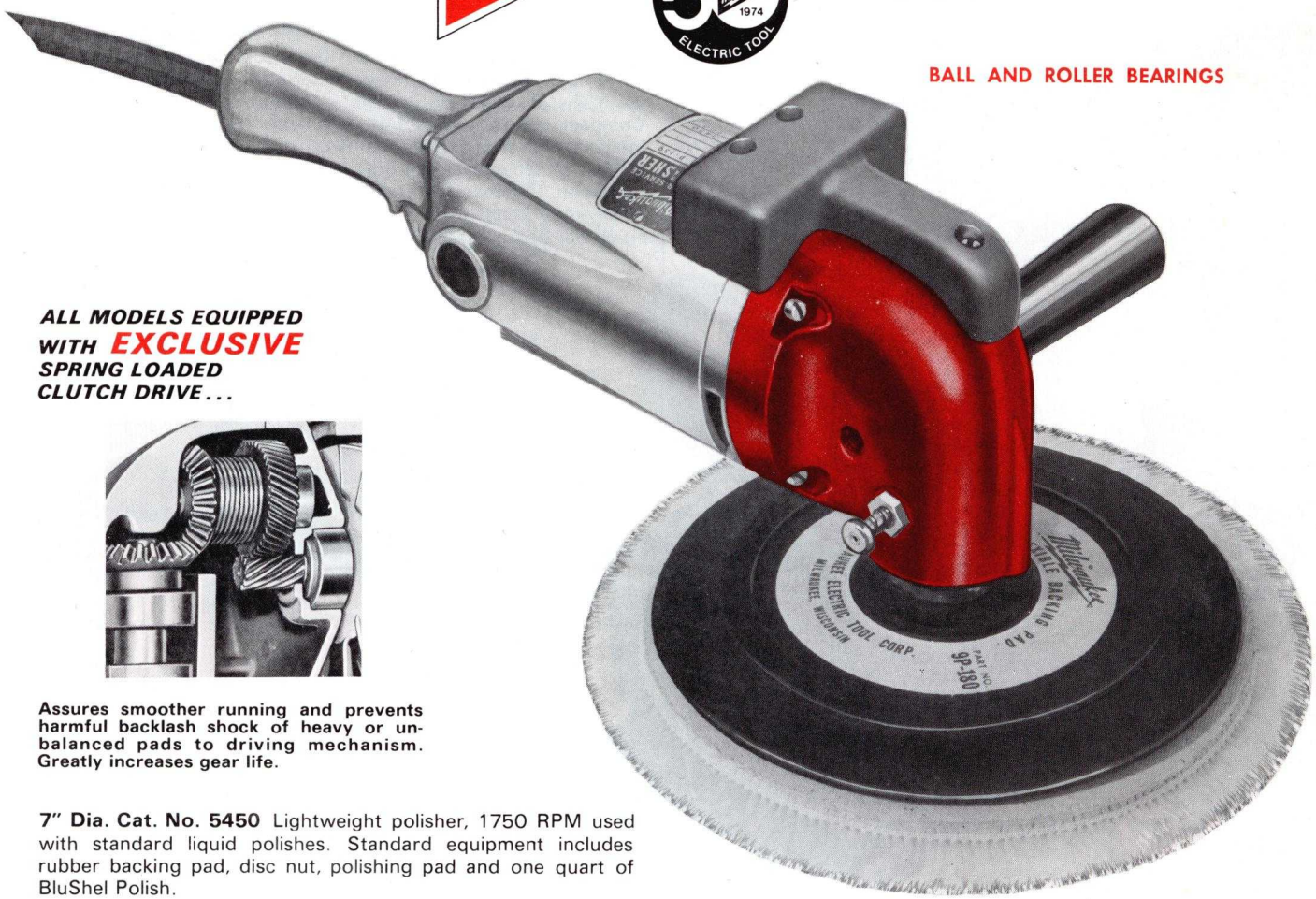
HEAVY-DUTY POLISHERS

3 MODELS

7" DIAMETER
1750 RPM
2800 RPM

9" DIAMETER
1450 RPM

BALL AND ROLLER BEARINGS



ALL MODELS EQUIPPED WITH EXCLUSIVE SPRING LOADED CLUTCH DRIVE...

Assures smoother running and prevents harmful backlash shock of heavy or unbalanced pads to driving mechanism. Greatly increases gear life.

7" Dia. Cat. No. 5450 Lightweight polisher, 1750 RPM used with standard liquid polishes. Standard equipment includes rubber backing pad, disc nut, polishing pad and one quart of BluShel Polish.

7" Dia. Cat. No. 5530 Lightweight polisher, 2800 RPM for exclusive use with high speed liquid machine polishes. Standard equipment includes rubber backing pad, disc nut, polishing pad and one quart of BluShel Polish.

9" Dia. Cat. No. 5590 More powerful polisher, 1450 RPM. Handles the larger diameter pads and bonnets. Especially recommended for rubbing and compounding. Standard equipment includes rubber backing pad, disc nut, polishing pad and one quart of BluShel Polish.

CATALOG NUMBER	PAD DIA.	VOLTS	SPEED NO LOAD (RPM)	LENGTH (INS.) +	NET WGT. LBS.	SHP. WGT. LBS.
5450	7"	115	1750	14-1/2	9-1/4	16
5530	7"	115	2800	14-1/2	9-1/4	16
5590	9"	115	1450	15-1/4	12-3/4	20

+ Over-all length of tool only — not including pad.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

MILWAUKEE HEAVY-DUTY POLISHER ACCESSORIES

MOULDED RUBBER BACKING PAD

POLISHING PAD

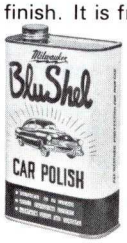
LAMBSWOOL PAD

LAMBSWOOL BONNET

BONNET CLEANING TOOL

CATALOG NUMBER	DESCRIPTION
49-36-2500	7" dia. Moulded Rubber Pad
49-36-2200	8-1/2" dia. Moulded Rubber Pad
49-40-0160	Disc nut
49-36-1400	7-1/2" dia. Polishing Pad
49-36-1600	9" dia. Polishing Pad
49-36-0500	7" dia. Lambswool Pad
49-36-0700	9" dia. Lambswool Pad
48-48-0500	7" dia. Lambswool Bonnet
48-48-1000	9" dia. Lambswool Bonnet

BLUE SHEL CAR POLISH Cleans, polishes and seals automotive finishes. Leaves a dry, brilliant finish. It is free of harmful chemicals.



CATALOG NUMBER	DESCRIPTION	SHP. WGT. LBS.
49-43-0050	1 Qt.	3
49-43-0051	12 Qt. Case	33
49-43-0060	1 Gal.	10
49-43-0061	6 Gal. Case	60

BONNET CLEANING TOOL NO. 49-80-0050

Quickly fluffs, cleans, buffing pads and bonnets while pads are rotating. Removes glazed surface and loosens packed wool to prolong life. Shp. Wt. 1 lb.

TYPE "C" GREASE NO. 49-08-1000 1 lb. Can

HEAVY-DUTY DIE GRINDER • STRAIGHT GRINDER • TAPPER

DIE GRINDER
NO. 5191

STRAIGHT GRINDER
NO. 5265

Milwaukee's Die Grinder is designed for the tool and die trade, pattern and model making and other trades requiring precision heavy-duty applications. Durable, easy to operate. Ball bearings lubricated for life. Extended spindle grips close to stones. Powerful ventilating fan keeps motor cool. Internal grinding, deburring and filing are some of the more specific uses. The 34,000 RPM no load speed can be used with high strength non-reinforced organic wheels to 1" diameter and with reinforced wheels to 1-1/2" diameter. Standard equipment includes a 1/4" collet. A 1/8" collet is available as an accessory.

The Milwaukee Straight Grinder's rugged construction coupled with rigid spindle support is ideal for cleaning and deburring castings, finishing welds and heavy-duty filing. For use with abrasive wheels, rotary files and carbide burrs. The 21,000 RPM no load speed provides ample power and torque for use with non-reinforced organic wheels to 1-5/8" diameter and reinforced wheels to 2" diameter. Featured are automatic shut-off brushes. When brushes reach 1/4" the tool will stop, protecting the commutator from damage. Standard equipment includes a 1/4" collet. An accessory 1/8" collet is available.

CATALOG NUMBER	COLLET DIAMETER	MAX. GRINDING WHEEL DIA. NON-REINFORCED ORGANIC	MAX. GRINDING WHEEL DIA. REINFORCED	NO LOAD RPM	VOLTS	LGTH.	NET WGT. LBS.	SHP. WGT. LBS.
5191	1/8†-1/4‡	1"	1-1/2"	34,000	115	13-1/2"	4	6
5265	1/8†-1/4‡	1-5/8"	2"	21,000	115	18-3/8"	6-3/4	9

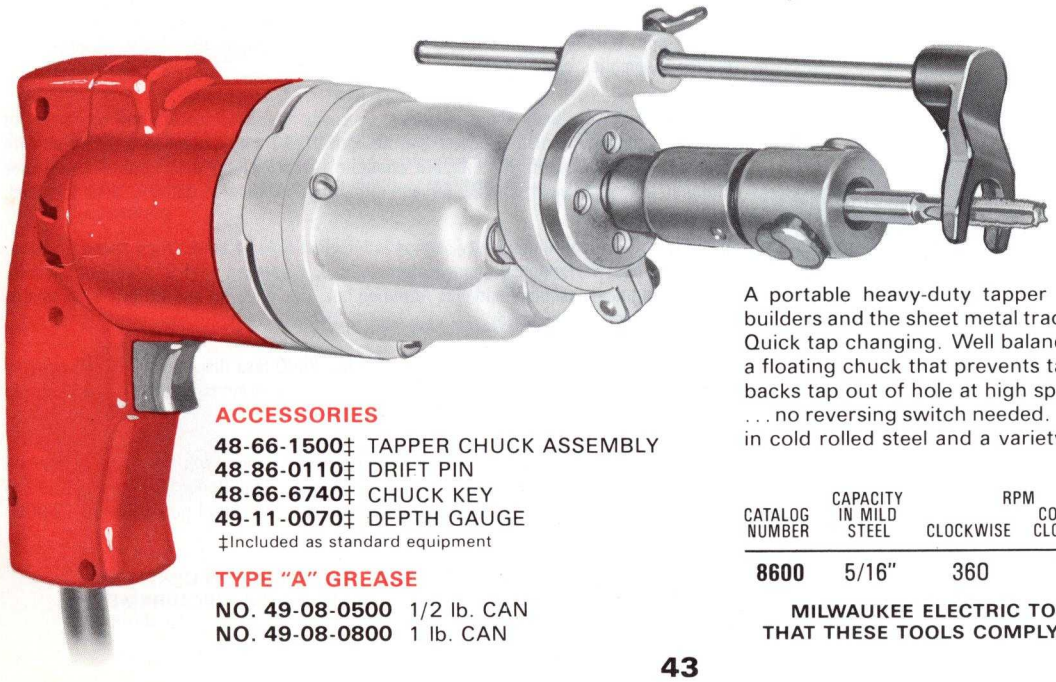
†Available as accessory only ‡Standard equipment

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

ACCESSORIES

48-66-0910* 1/4 COLLET
49-96-4112* COLLET WRENCH
49-96-4115* SPINDLE WRENCH
48-66-0900 1/8 COLLET
*Included as standard equipment

NOTE: These Grinders are not supplied with grinding wheels. Before using any grinding wheel be sure speed shown for that wheel is greater than the no load speed of the tool. Tables of maximum operating speeds for mounted wheels are included in the instructions packed with each new grinder.



TAPPER
NO. 8600

A portable heavy-duty tapper designed for craftsmen, machine builders and the sheet metal trades. For thru-holes and blind holes. Quick tap changing. Well balanced for easy handling and offering a floating chuck that prevents tap breakage. Automatic reversing backs tap out of hole at high speed when operator pulls backward . . . no reversing switch needed. Built to handle #6 thru 5/16" taps in cold rolled steel and a variety of non-ferrous materials.

CATALOG NUMBER	CAPACITY IN MILD STEEL	RPM CLOCKWISE	RPM COUNTER-CLOCKWISE	VOLTS	LENGTH	NET WGT. LBS.	SHP. WGT. LBS.
8600	5/16"	360	650	115	13-5/8"	5-1/4	7

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

ACCESSORIES

48-66-1500‡ TAPPER CHUCK ASSEMBLY
48-86-0110‡ DRIFT PIN
48-66-6740‡ CHUCK KEY
49-11-0070‡ DEPTH GAUGE
‡Included as standard equipment

TYPE "A" GREASE

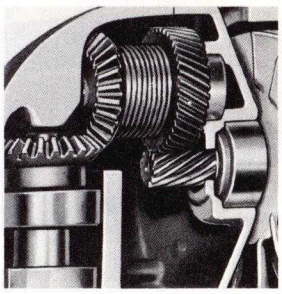
NO. 49-08-0500 1/2 lb. CAN
NO. 49-08-0800 1 lb. CAN

7" AND 9" DIA. HEAVY-DUTY SANDER-GRINDERS

FEATURING:

- BALL BEARING MOUNTED ROTOR ASSEMBLY is dynamically balanced and vibration free.
- EXTERNAL BRUSH HOLDERS permit inspection and replacement of brushes without disassembling grinder.
- BUTTON-TYPE SPINDLE LOCK for easy removal of discs or other accessories. No special tools required.
- HEAVY-DUTY URETHANE TOOL REST absorbs shock... prevents damage to housings.
- REMOVABLE SIDE HANDLE for use on either side of grinder.
- LARGE FAN AND EXHAUST PORTS direct air over disc, dissipates heat and keeps work area free of dust and grit.

5 MODELS...ALL EQUIPPED WITH EXCLUSIVE SPRING LOADED CLUTCH DRIVE



Assures smoother running and prevents harmful backlash shock of heavy or unbalanced grinding wheels to driving mechanism. Greatly increases gear life.

NO. 6085
HIGH SPEED 6000 RPM
7" DIAMETER
TOOL ONLY

Milwaukee

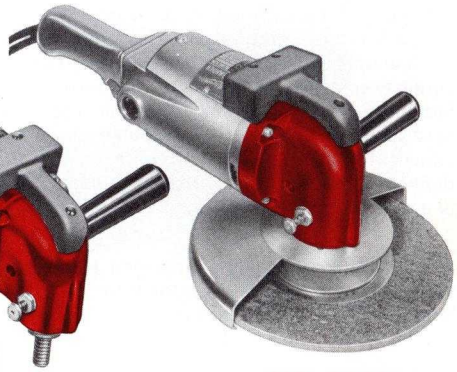
MILWAUKEE 1924 1974 50 ELECTRIC TOOL

ALL MILWAUKEE SANDER-GRINDERS CAN BE USED WITH DISC ASSEMBLIES AND ACCESSORIES AS SHOWN ON PAGE 45.

NO. 6020
5000 RPM
7" DIAMETER

NO. 6060
5000 RPM
9" DIAMETER

NO. 6080
5000 RPM
9" DIAMETER
TOOL ONLY



NO. 6100
5000 RPM
9" DIAMETER

CATALOG NUMBER	SPEED RPM	DISC DIA. (INS.)	VOLTS	MAXIMUM TOOL POWER OUTPUT H.P.	SPINDLE THREAD SIZE	LENGTH LESS DISC (INS.)	NET WGT.	SHP. WGT.
6085*	6000	7	115	2.00	5/8"-11	15-1/2	12-1/4	17
6020*	5000	7	115	1.50	5/8"-11	15-1/2	13	18
6060*	5000	9	115	1.50	5/8"-11	15-1/2	13-1/4	18
6080*	5000	9	115	1.50	5/8"-11	15-1/2	12-1/4	17
6100	5000	9	115	1.50	5/8"-11	15-1/2	15-1/4	20

*When used as a grinder, guard must be used for O.S.H.A. compliance.

RECOMMENDED APPLICATIONS

High Speed 6000 RPM Sander-Grinder, powered by a new MILWAUKEE 2 hp motor. Built for continuous duty in automotive, industrial, welding, and concrete surfacing applications. Unit is supplied less disc assembly and sanding discs. Can be used with 7" disc assemblies and accessories on page 45.

Widely used in auto body shops, garages, by sheet metal fabricators and on farms for sharpening plows and disc harrows. Can be converted from sanding to grinding or wire brushing. Furnished with 7" standard phenolic resin backing disc assembly and disc retaining nut. One each sample 36 and 60 grit 7" diameter sanding disc included.

Specially built for continuous duty service in heaviest type of work. High speed and high torque give best performance under maximum load. Furnished with 9" standard phenolic resin backing disc assembly and disc retaining nut. One each 36 and 60 grit 9" diameter sample sanding disc included.

The same powerful sander-grinder as Catalog No. 6060 less disc assembly, and sanding discs. For use with cup wire brushes and flared cup grinding wheels – available as accessories.

Designed especially for the welder or for concrete surfacing. With the same power and characteristics as Catalog No. 6060 but with 9" x ¼" Flat Rough Reinforced Grinding Disc in place of backing disc assembly and sanding discs. Steel guard No. 49-12-0090 also furnished.

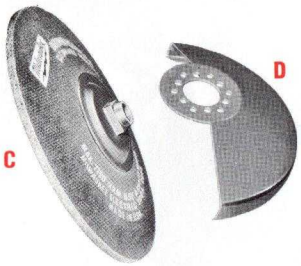
MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

HEAVY-DUTY SANDER GRINDER ACCESSORIES

FLAT REINFORCED GRINDING DISCS

Strong and tough with high safety factor to permit high speed operation. Nylon reinforced to resist breakage from twisting, starting torque or lateral pressure. All types require Guard "B".

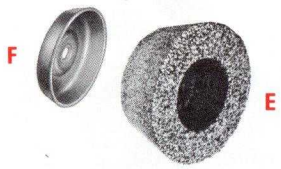
	DESCRIPTION			CATALOG NO.	MAX. SPEED
	ALUMINUM OXIDE DISCS FOR METAL				
A	ROUGH	With 5/8"-11 Threaded Hub	7" x 1/4"	49-93-3110	7750
			9" x 1/4"	49-93-3230	6000
	FINISH		7" x 1/4"	49-93-3170	7750
			9" x 1/4"	49-93-3290	6000
	SILICON CARBIDE DISCS FOR STONE OR CONCRETE				
	5/8"-11	Threaded Hub	7" x 1/4"	49-93-3130	7750
			9" x 1/4"	49-93-3250	6000
B	GUARD		Fits 7"	49-12-0080	–
			Fits 9"	49-12-0090	–



CURVED REINFORCED GRINDING DISCS

Nylon reinforced curved grinding discs for grinding welds. Contour shape permits easier accessibility to work surfaces. Same high safety factor as flat reinforced grinding discs. All types require Guard "D".

C	ROUGH	With 5/8"-11 Threaded Hub	7" x 1/4"	49-93-3120	8500
			9" x 1/4"	49-93-3240	6000
	FINISH		7" x 1/4"	49-93-3180	8500
			9" x 1/4"	49-93-3300	6000
D	GUARD		Fits 7"	49-12-0100	–
			Fits 9"	49-12-0110	–



FLARED CUP GRINDING WHEELS

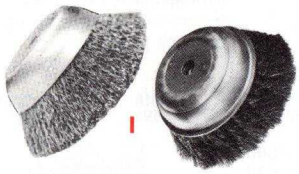
Aluminum oxide for all general purpose metal grinding. Resinoid bonded. These wheels are fitted with 5/8"-11 threaded bushing molded integrally for ready mounting.

E	4" DIA. FOR 7"	5/8"-11 Thread	49-93-5140	9000
	5" DIA. FOR 9"	5/8"-11 Thread	49-93-5220	7200
F	GUARD	For 4" Flared Cup	49-12-0060	–
		For 5" Flared Cup	49-12-0070	–

ARMOR-CUP GRINDING WHEELS

Resinoid bonded. Special fine grit outer rim wears slowly . . . prevents rounded edges for high performance without distortion. Eliminates waste by maintaining a flat grinding surface even under the toughest conditions . . . provides longer usable cup life. 5/8"-11 threaded bushing integrally molded for easy mounting.

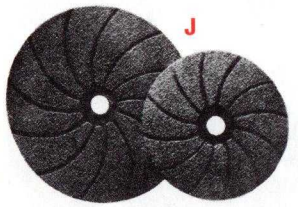
	ALUMINUM OXIDE ARMOR-CUP FOR METAL			
G	4" DIA. FOR 7"	5/8"-11 Thread	49-93-5250	9000
	5" DIA. FOR 9"	5/8"-11 Thread	49-93-5270	7200
	SILICON CARBIDE ARMOR-CUP FOR STONE OR CONCRETE			
	4" DIA. FOR 7"	5/8"-11 Thread	49-93-5260	9000
	5" DIA. FOR 9"	5/8"-11 Thread	49-93-5280	7200
H	GUARD	For 4" Flared Cup	49-12-0060	–
		For 5" Flared Cup	49-12-0070	–



WIRE CUP BRUSHES

Finest quality crimped and knot wire brushes to give long service life on the toughest cleaning jobs. Ideally suited for cleaning castings, structural steel, sheet metal, stone and concrete.

I	4" DIA. FOR 7"			
	30 ga. crimped wire	5/8"-11 Thread	48-52-1300	7000
	24 ga. knot wire	5/8"-11 Thread	48-52-1350	6000
	6" DIA. FOR 9"			
	24 ga. crimped wire	5/8"-11 Thread	48-52-1600	6000
	30 ga. knot wire	5/8"-11 Thread	48-52-1650	6000



ABRASIVE SANDING DISCS

Specially selected extra hard aluminum oxide grits are applied with plastic adhesive to rigid fibre backing for long life . . . will not crack, curl or tear. Special spiral design speeds grinding, cools as it grinds. They are waterproof and can be dipped in gasoline and scrubbed for re-use.

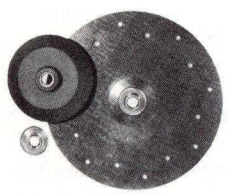
J	FOR 7" DIA.	16 Grit	PACKED AND SOLD ONLY IN BOXES OF 10	48-80-2000	7000
		24 Grit		48-80-2050	7000
		36 Grit		48-80-2100	7000
		60 Grit		48-80-2200	7000
		80 Grit		48-80-2250	7000
	FOR 9" DIA.	16 Grit		48-80-2500	7000
		24 Grit		48-80-2550	7000
		36 Grit		48-80-2600	7000
		60 Grit		48-80-2700	7000
		80 Grit		48-80-2750	7000

BACKING DISC ASSEMBLIES

Light, perfectly balanced assemblies provide flexibility for curves and contours. Abrasive discs can be trimmed down to the next smaller diameter to be used with smaller backing discs, affording greater economy.

STANDARD PHENOLIC DISC ASSEMBLIES

Same as furnished with Nos. 6020 and 6060.



DESCRIPTION	DIA.	CATALOG NO.	MAX. SPEED
*COMPLETE ASSEMBLY	7"	49-36-6000	7000
	9"	49-36-6050	7000
DISC ONLY †	7"	48-80-6000	7000
	9"	48-80-6050	7000
RUBBER PAD	–	49-36-3500	7000
DISC NUT	–	49-40-0350	–

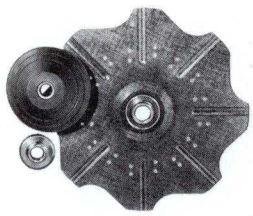
*All Disc Assemblies include Disc Nut

†Must be used with Rubber Pad No. 49-36-3500

NOTE

The maximum safe operating speed shown on the grinding wheels must be greater than the no load speed of the tool.

DISC SAVER PHENOLIC DISC ASSEMBLIES



DESCRIPTION	DIA.	CATALOG NO.	MAX. SPEED
*COMPLETE ASSEMBLY	7"	49-36-3600	7000
	9"	49-36-3650	7000
DISC ONLY †	7"	48-80-6010	7000
	9"	48-80-6060	7000
RUBBER PAD	–	49-36-3550	7000
DISC NUT	–	49-40-0350	–

*All Disc Assemblies include Disc Nut

†Must be used with Rubber Pad No. 49-36-3550

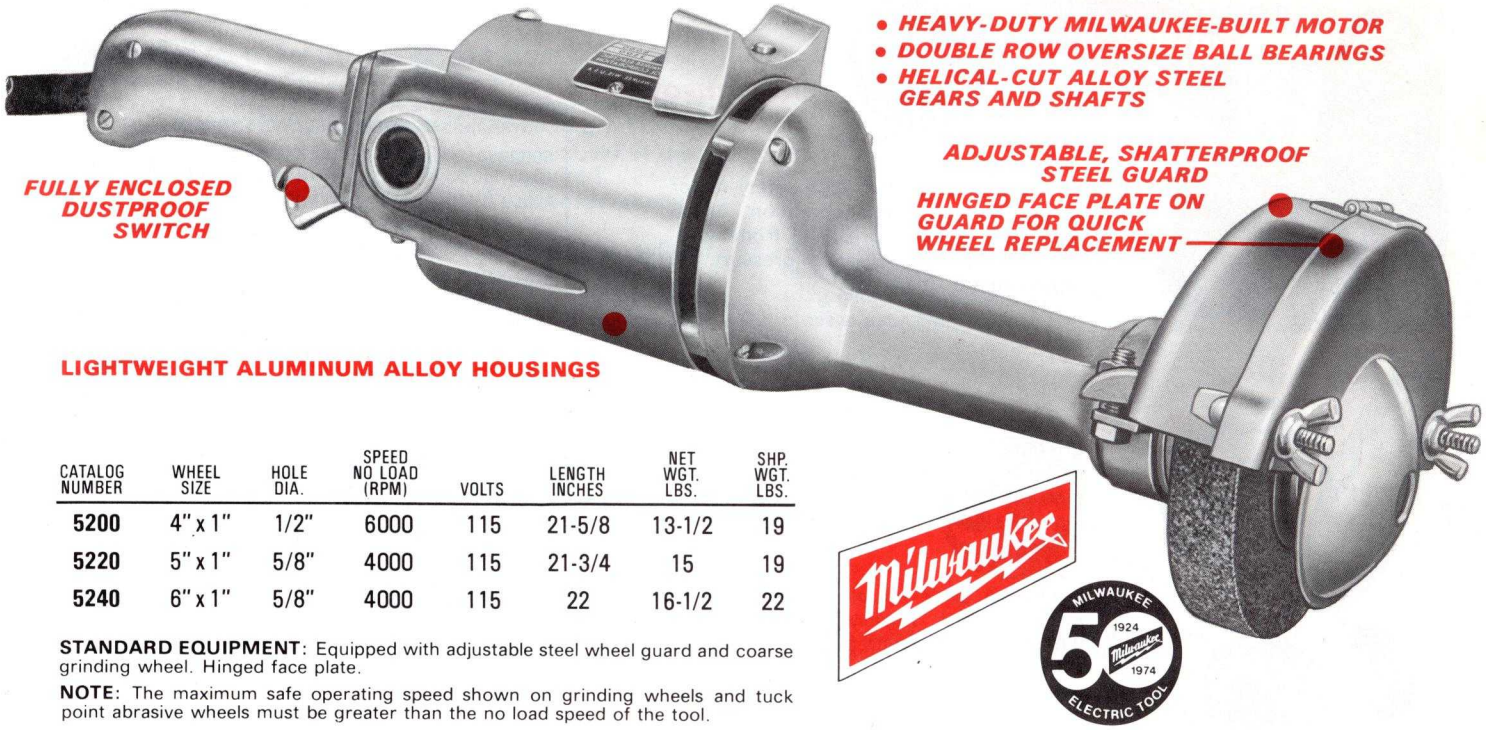
MISCELLANEOUS

DISC NUT
NO. 49-40-0120
For Disc Wheel Hub Adapter and discontinued Nested Spring Steel Disc Assemblies.

1 LB. TYPE C GREASE
NO. 49-08-1000

HUB ADAPTER DISC WHEEL
NO. 48-03-1000
For use with depressed center hub wheels with 7/8" diameter hole. Order disc nut 49-40-0120 separately.

HEAVY-DUTY PORTABLE and TUCK POINT GRINDERS



- HEAVY-DUTY MILWAUKEE-BUILT MOTOR
- DOUBLE ROW OVERSIZE BALL BEARINGS
- HELICAL-CUT ALLOY STEEL GEARS AND SHAFTS

FULLY ENCLOSED DUSTPROOF SWITCH

ADJUSTABLE, SHATTERPROOF STEEL GUARD

HINGED FACE PLATE ON GUARD FOR QUICK WHEEL REPLACEMENT

LIGHTWEIGHT ALUMINUM ALLOY HOUSINGS

CATALOG NUMBER	WHEEL SIZE	HOLE DIA.	SPEED NO LOAD (RPM)	VOLTS	LENGTH INCHES	NET WGT. LBS.	SHP. WGT. LBS.
5200	4" x 1"	1/2"	6000	115	21-5/8	13-1/2	19
5220	5" x 1"	5/8"	4000	115	21-3/4	15	19
5240	6" x 1"	5/8"	4000	115	22	16-1/2	22

STANDARD EQUIPMENT: Equipped with adjustable steel wheel guard and coarse grinding wheel. Hinged face plate.

NOTE: The maximum safe operating speed shown on grinding wheels and tuck point abrasive wheels must be greater than the no load speed of the tool.

Milwaukee

MILWAUKEE 1924 50 1974 ELECTRIC TOOL

REPLACEMENT GUARD ASSEMBLIES

4" WHEEL GUARD ASSEMBLY
For Model 5200 Grinder
NO. 49-12-0130

5" WHEEL GUARD ASSEMBLY
For Model 5220 Grinder
NO. 49-12-0140

6" WHEEL GUARD ASSEMBLY
For Model 5240 Grinder
NO. 49-12-0150

COARSE GRIT GRINDING WHEELS

CATALOG NUMBER	SIZE INS.	HOLE DIA.	MAXIMUM WHEEL SPEED
49-92-1140	4 x 1	1/2"	9000
49-92-2240	5 x 1	5/8"	7200
49-92-3260	6 x 1	5/8"	6000

KNOT WIRE BRUSHES

Made of select steel wire. For cleaning steel surfaces and castings, removing rust, scale, file marks.

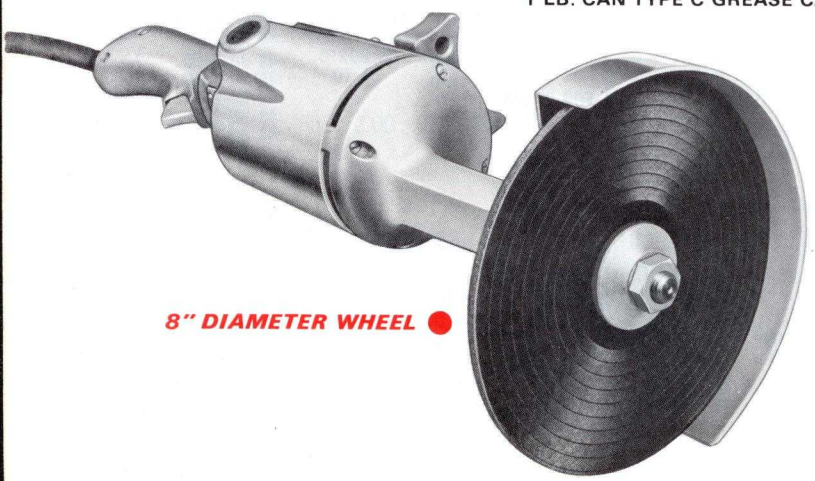
CATALOG NO.	DIA. INS.	HOLE DIAMETER	WIRE SIZE	MAX. WHEEL SPEED
48-52-2210	4	1/2"	.014	8000
48-52-2310	5	5/8"	.014	8000
48-52-2510	6	1/2"-5/8"	.014	8000

CLOTH BUFFING WHEELS

For polishing and buffing metal surfaces. Coated with abrasive, can be used for smooth finish grinding or rough polishing.

CATALOG NUMBER	DIA. INS.	HOLE DIA.
49-93-0060	4	1/2"
49-93-0070	5	5/8"
49-93-0090	6	5/8"

1 LB. CAN TYPE C GREASE CATALOG NO. 49-08-1000



8" DIAMETER WHEEL

TUCK POINT GRINDER

POWERFUL, HIGH SPEED, EASY HANDLING FOR FAST REMOVAL OF OLD OR LOOSE MORTAR

CATALOG NUMBER	WHEEL SIZE	HOLE DIA.	SPEED NO LOAD RPM	VOLTS	LGTH. INS.	NET WGT. LBS.	SHP. WGT. LBS.
5260	8" x 1/8"	5/8"	4000	115	21	15-1/4	19

STANDARD EQUIPMENT: Furnished with 8" x 1/8" abrasive wheel and steel wheel guard.

TUCK POINT GUARD ASSEMBLY

NO. 49-12-0120 Consists of Guard and Spacer.

TUCK POINT GRINDER ACCESSORY KITS

NO. 49-22-6050 Includes wheel guard, spacer unit and 8" x 1/8" x 5/8" hole abrasive wheel.

NO. 49-22-6060 Same as above kit except with 8" x 3/16" x 5/8" hole abrasive wheel.

NOTE: Kits and abrasive wheels are adaptable to Portable Grinders Nos. 5220 and 5240.

TUCK POINT ABRASIVE WHEELS

Maximum Wheel Speeds 7200 RPM

NO. 49-92-5020 8" x 1/8" x 5/8" hole

NO. 49-92-5040 8" x 3/16" x 5/8" hole

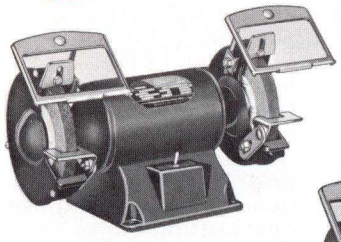
NO. 49-92-5060 8" x 1/4" x 5/8" hole

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

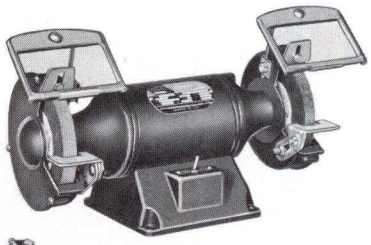
HEAVY DUTY BENCH GRINDERS

6 • 7 • 8 • 10 INCH WHEEL SIZES

Plastic Eye Shields (Cat. No. 49-62-0100) are furnished as standard equipment. Glass Eye Shields and Illuminated Eye Shields are offered as optional accessories. Shields *must* be used when operating grinders.



1/4 H.P.† GRINDER
Shown with Optional Glass Eye Shields
NO. 49-62-0060*



1/3 H.P.† GRINDER
Shown with Optional Glass Eye Shields
NO. 49-62-0060*

3/4 H.P.† GRINDER
Shown with Optional Illuminated Eye Shields
NO. 49-62-0050*

1/2 H.P.† GRINDER
Mounted on Grinder Pedestal Shown with Optional Glass Eye Shields
NO. 49-62-0060*

1 H.P.† GRINDER
Shown with Optional Illuminated Eye Shields
NO. 49-62-0050*

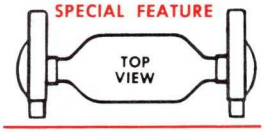
†NEMA RATED *Order *two* of these Eye Shields for a complete pair.

INDUCTION MOTOR UNITS

Precision built, quiet, smooth running and designed for continuous production in factories, machine and welding shops, tool rooms, maintenance departments and garages. Heavy-duty motors — alternating current only — dynamically balanced, with every safeguard against overload. Completely sealed against dirt and grit. Lifetime lubricated ball bearings.

BELL TYPE CONSTRUCTION

Clearance in front of motor housing is important when grinding longer pieces.



NEMA RATED H.P.	CATALOG NO.	VOLTAGES AC 60 CYCLE	PHASE	SPEED RPM	WHEEL SIZE	HOLE DIA.	SPACE BETWEEN WHEELS	NET WGT. (LBS.)	SHP. WGT. (LBS.)
1/4	**4900**	115	1	3450	6"x5/8"†	1/2"	11-1/2"	22	24
1/3	**4920**	115	1	3450	6"x3/4"	1/2"	13-1/2"	27	29
1/2	**4980**	115	1	3450	7"x1"	5/8"	14-1/8"	37	40
3/4	**5040**	115/230	1	3450	8"x1"	5/8"	16-3/8"	57	60
1	**5080**	115/230	1	1725	10"x1"	3/4"	17-1/8"	82	85

†Replacement wheels are 3/4"

STANDARD EQUIPMENT

Includes two balanced, aluminum oxide wheels — one fine and one coarse grit — adjustable tool rests, spark deflectors and plastic eye shields. Pedestal and glass or illuminated eye shields are listed below and are available as accessories. Wheels other than those supplied as standard equipment must be ordered separately.

WHEELS FOR BENCH GRINDERS

NOTE: The maximum safe operating speed shown on the grinding wheels must be greater than the no load speed of the tool. Aluminum Oxide Grinding Wheels are available in coarse, medium and fine grit for all types of grinding. Knot Wire Brushes for removing rust, scale and file marks — made of select steel wires. Brushes have a face width of 3/4". Cloth Buffing Wheels for buffing metal surfaces — made of multiple layers of select buffing cloth — securely sewed — can be dipped in an emery grit after coating with glue for finish grinding or rough polishing.

GRINDING WHEELS

	CATALOG NO.	SIZE (IN.)	HOLE DIA.	MAX. WHEEL SPEED
COARSE GRIT	**49-92-3140**	6x3/4	1/2	6000
	49-92-4200	7x1	5/8	5200
	49-92-5300	8x1	5/8	4600
	49-92-7200	10x1	3/4	3750
MEDIUM GRIT	**49-92-3160**	6x3/4	1/2	6000
	49-92-4220	7x1	5/8	5200
	49-92-5320	8x1	5/8	4600
	49-92-7220	10x1	3/4	3750
FINE GRIT	**49-92-3180**	6x3/4	1/2	6000
	49-92-4240	7x1	5/8	5200
	49-92-5340	8x1	5/8	4600
	49-92-7240	10x1	3/4	3750

KNOT WIRE BRUSHES

CATALOG NO.	DIA. (IN.)	HOLE (DIA.)	WIRE SIZE	MAX. WHEEL SPEED
48-52-2510	6	1/2"-5/8"	.014	8000
48-52-2610	7	5/8"	.014	5000
48-52-4810	10	3/4"	.014	4500

CLOTH BUFFING WHEELS

CATALOG NO.	DIA. (IN.)	HOLE DIA.
49-93-0080	6	1/2"
49-93-0100	7	5/8"
49-93-0110	10	3/4"

PLASTIC EYE SHIELDS

NO. 49-62-0100. (pair) These protective eye shields are furnished as standard equipment on all MILWAUKEE Bench Grinders. Easily replaced when pitted. Supplied as a pair. Complete with attaching hardware for any MILWAUKEE Bench Grinder. Shp. Wt. 1 lb. per pair.

ILLUMINATED EYE SHIELD

NO. 49-62-0050. (as shown above on 1 H.P. Grinder) Metal frame holds 2 pieces of 4" x 6" glass . . . top is safety glass . . . underneath, window glass . . . easily replaced when pitted. Double socket with two bulbs eliminates shadow. Rigid support prevents swiveling. Available for 1/2, 3/4, and 1 H.P. bench grinders only. If pair required specify 2 units. Shp. Wt. 4 lbs. each.

GLASS EYE SHIELD

NO. 49-62-0060. (as shown above on 1/2 H.P. Grinder) Frame holds 3" x 5" Shatterproof glass. Mounting bracket included. Adaptable to all models. Specify 2 units if pair desired. Shp. Wt. 2 lbs. each.

GRINDER PEDESTAL

NO. 49-39-0050. (as shown above) Heavy gray iron castings with tubular steel column. Removable water pot. Adaptable to all models. Height 34". Shp. Wt. 54 lbs.

HEAVY-DUTY METAL CUTTING SHEARS

4 MODELS: (16) (14) (12) (10) GAUGE

CUT ALL TYPES OF SHEET METAL
• COLD ROLLED STEEL • STAINLESS
• NON-FERROUS

16 GAUGE
NO. 6800

14 GAUGE
NO. 6810

NEW INDEXING BLADES . . . NO VERTICAL ADJUSTMENTS REQUIRED. Each blade has four cutting edges. When the cutting edge becomes dull, rotate both upper and lower blade one quarter turn to expose new cutting edges.

12 GAUGE
TRIM SHEAR
NO. 6820

- ***HIGH SPEED ACCURATE CUTTING MECHANISM***
- ***SIMPLE BLADE ADJUSTMENTS-NO SHIMS***
- ***BLADE DESIGN ELIMINATES JAMMING***
- ***LEAVES EDGES SMOOTH—BURR FREE***
- ***NO ADJUSTMENTS FOR STRAIGHT CUTS—CURVES***
- ***CUTS CLOSE CURVES EITHER RIGHT OR LEFT***
- ***CLEAR, UNOBSTRUCTED VISIBILITY***

All Shears are ruggedly built with heat treated gears, hardened shafts, ball and roller bearings, and sturdy aluminum alloy housings. Tool steel ram holds cutter blade in perfect alignment for fast, accurate cutting. With large bearing surfaces, the ram maintains proper blade clearance for clean cuts and minimum distortion.

CATALOG NUMBER	CAPACITY STEEL	CAPACITY STAINLESS	CUTTING SPEED FT./MIN.	MIN. RADIUS	VOLTS	NET WGT. LBS.	SHP. WGT. LBS.
6800	16 Ga.	17 Ga.	17	1/2"	115	5-1/4	8
6810	14 Ga.	16 Ga.	10	3/4"	115	5	7
6820	12 Ga.	14 Ga.	8	3/4"	115	8-1/2"	11
6830	10 Ga.	12 Ga.	5	1"	115	10	13

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

STANDARD EQUIPMENT Also Available as Accessories

CATALOG NO.	DESCRIPTION	FOR CATALOG NOS.			
49-11-0050	Feeler Gauges	**6800**	**6810**	**6820**	**6830**
49-80-0010	Blade Adj. Screw Tool		**6810**	**6820**	**6830**
49-11-0065	Cutting Angle Gauge		**6810**	**6820**	**6830**
49-96-0060	1/8" Hex Socket Wrench	**6800**			
49-96-0065	9/64" Hex Socket Wrench	**6800**			
49-96-0310	Hex Socket Wrench Set		**6810**	**6820**	
49-96-0320	Hex Socket Wrench Set				**6830**
48-44-0070	Shear Blade Set	**6800**			
48-44-0080	Shear Blade Set		**•6810**	**6820**	
48-44-0090	Shear Blade Set				**6830**
48-44-0100	Indexing Shear Blade Set		**▲6810**		
49-13-0020	Scrap Guide			**6820**	

• For 6810 with Serial Number 444-4175 and below.
▲ For 6810 with Serial Number 444-4176 and above.

MISCELLANEOUS ACCESSORIES

CATALOG NO.	DESCRIPTION	FOR CATALOG NOS.			
49-08-0500	1/2 lb. Can "A" Grease		**6810**	**6820**	**6830**
49-08-0800	1 lb. Can "A" Grease		**6810**	**6820**	**6830**
49-08-1000	1 lb. Can "C" Grease	**6800**			
49-14-0300	Grease Gun		**6810**	**6820**	**6830**

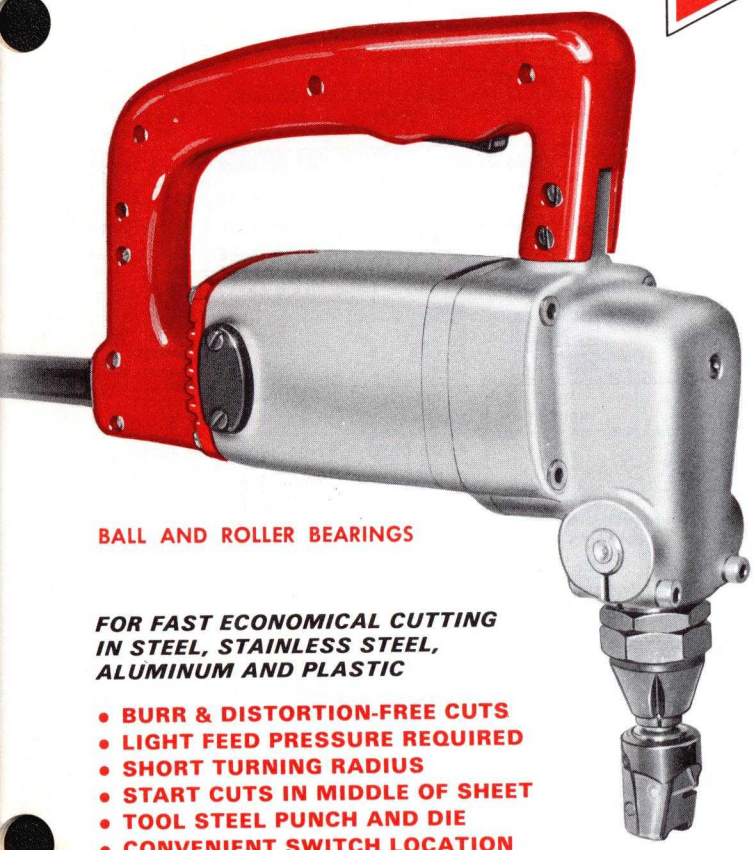
10 GAUGE
TRIM SHEAR
NO. 6830

Tool steel shear blades are easily adjustable. Sheared metal rides smoothly over steel yoke providing high trim cutting efficiency.

Milwaukee

MILWAUKEE 50 1924 1974 ELECTRIC TOOL

HEAVY-DUTY NIBBLER



BALL AND ROLLER BEARINGS

FOR FAST ECONOMICAL CUTTING IN STEEL, STAINLESS STEEL, ALUMINUM AND PLASTIC

- **BURR & DISTORTION-FREE CUTS**
- **LIGHT FEED PRESSURE REQUIRED**
- **SHORT TURNING RADIUS**
- **START CUTS IN MIDDLE OF SHEET**
- **TOOL STEEL PUNCH AND DIE**
- **CONVENIENT SWITCH LOCATION**

Ideal for maintenance, production and other continuous heavy-duty precision applications. The dependable MILWAUKEE Nibbler can be used in cold rolled steel to 13 gauge and stainless steel to 14 gauge. In addition, the unit can be used for aluminum and plastic with accessory carrier rod. Simple to adjust, punch and die accommodates a variety of gauges and offers maximum accuracy. As tool is guided along the cutting line, small crescent shaped pieces of material are punched out...leaving a clean undistorted surface. In addition, 1/4" cutting radius makes intricate patterns easy to follow. Open front plus adjustable nose piece makes cutting at the stock pile possible, avoiding unnecessary material handling.

CATALOG NUMBER	CAPACITY STEEL	CAPACITY STAINLESS	CUTTING SPEED FT./MIN.	MINIMUM RADIUS	VOLTS	NET WGT. LBS.	SHP. WGT. LBS.
5410	13 Ga.	14 Ga.	3	1/4"	115	9-1/4	13

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THIS TOOL COMPLIES WITH O.S.H.A. REQUIREMENTS

STANDARD EQUIPMENT:

Also Available as Replacement Accessories

NO. 49-52-0250 CARRIER ROD For use with Steel and Stainless Steel
NO. 48-44-0250 NIBBLER PUNCH
NO. 48-79-0020 DIE
NO. 49-96-4720 OPEN END WRENCH
NO. 49-96-0300 HEX. SOCKET WRENCH SET
NO. 49-96-6500 NIBBLER PUNCH WRENCH

ADDITIONAL ACCESSORIES:

NO. 49-08-0500 1/2 LB. CAN "A" GREASE
NO. 49-08-0800 1 LB. CAN "A" GREASE
NO. 49-14-0300 GREASE GUN
NO. 49-52-0260 CARRIER ROD For use with Aluminum and Plastic

HEAVY-DUTY "PITTSBURGH LOCK" HAMMER

"PITTSBURGH LOCK"

CAPACITY
30 TO 22 GAUGE SHEET METAL

BALL AND ROLLER BEARINGS

For Sheet Metal, Heating and Air Conditioning Contractors—closes seams neatly at a rate up to 20 feet per minute. Specially designed hammer mechanism of hardened tool steel. Position of handle affords positive control and balance—Auxiliary knob handle for two hand operation on heavy gauge metals. Guides easily along seam on straight runs or curves.

CATALOG NUMBER	CAPACITY	FT./MIN.	VOLTS	NET WGT.	SHP. WGT.
5400	30 to 22 Ga.	20' Max.	115	10	14

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THIS TOOL COMPLIES WITH O.S.H.A. REQUIREMENTS

TYPE "A" GREASE
NO. 49-08-0500 1/2 LB. CAN
NO. 49-08-0800 1 LB. CAN

HEAVY-DUTY SPECIAL SCREW SHOOTER

FOR DRIVING SELF-DRILLING, SELF-TAPPING TEKS® FASTENERS

TEKS® registered trademark of Illinois Tool Works, Inc.

POWERFUL 4.5 AMP MOTOR
CONVENIENT REVERSING SWITCH

NO. 6798-1 REVERSING
POSITIVE DRIVE CLUTCH
TRIGGER SPEED CONTROL 0-2500 RPM
NON-MARRING LOCATORS

CAPACITY: 1/4" IN 3/16" COLD ROLLED STEEL OR NO. 12 IN 1/2" COLD ROLLED STEEL.

Positive Drive Clutch model is specifically engineered for fast, precision driving of self-drilling, self-tapping fasteners in steel, brass, bronze, aluminum and stainless. Also for fastening wood or other compressible materials to metal. Positive clutch engages when pressure is applied. Driving action stops and clutch disengages when pressure is released or when locator contacts work surface. Clutch jaws are milled at precise angles, assuring positive driving action. Depth control is adjustable in increments of 1/64" from outside of tools.

				115 VOLTS 60 CYCLE AC ONLY		
CATALOG NUMBER	RPM NO LOAD	BIT SHANK SIZE	SPINDLE OFFSET	LGTH. (IN.)	NET WGT. (LBS.)	SHP. WGT. (LBS.)
6798-1 REV.	0-2500	1/4" Hex	3/4"	9-1/2	3-3/4	7

STANDARD EQUIPMENT: 5/16" Hex Magnetic Socket, 1/4" square x 2" long Socket Driver and 1/4", 5/16", 3/8" and 7/16" Locators.

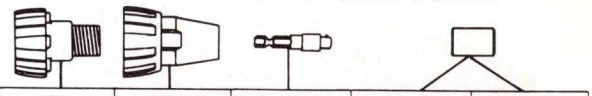
"REV." after Catalog No. indicates reversing type motor. Equipped with lockable trigger switch.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

MOBILE HOME KIT AVAILABLE — SEE BELOW
DEEP CORRUGATION KIT AVAILABLE — SEE BELOW
CARRYING CASE, HOLSTER, GREASE AVAILABLE — SEE P. 53

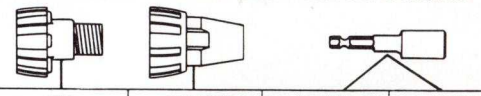
BIT HOUSING & LOCATORS FOR 6798-1 POSITIVE DRIVE

HEX HEAD SCREWS — USING SOCKET & DRIVER



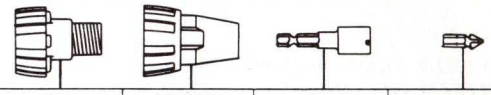
HEX. SIZE	BIT HOUSING	LOCATOR ASSEMBLY	SOCKET DRIVER	MAGNETIC SOCKET	NON-MAG. SOCKET
1/4"	Cat. No. 48-32-2500	49-26-0250	1/4" Sq. x 2" Long 48-32-2050	49-66-3000	49-66-3001
5/16"		49-26-0312		49-66-3010	49-66-3011
3/8"		49-26-0375		49-66-3020	49-66-3021
7/16"		49-26-0600		49-66-3030	

HEX HEAD SCREWS — USING ONE PIECE EXTENSIONS



HEX. SIZE	BIT HOUSING	LOCATOR ASSEMBLY	SOCKET EXT-MAGNETIC	SOCKET EXT.-NON-MAG.
1/4"	Cat. No. 48-32-2500	49-26-0250	49-66-3006	49-66-3005
5/16"		49-26-0312	49-66-3016	49-66-3015
3/8"		49-26-0375	49-66-3026	49-66-3025

PHILLIPS, POSIDRIV® AND ROBERTSON SCREWS



TYPE OF SET-UP	BIT HOUSING	LOCATOR ASSEMBLY	BIT HOLDER	INSERT BITS
Magnetic	Cat. No. 48-32-2500	49-26-1000	48-32-3025	Select Bits with Key Letters S, T, or X
Non-Mag.		49-26-0250	49-32-3050	

NOTE: For Slotted, Frearson and Clutch Head Screws, use accessories as shown for Model 6543-1, Page 52.

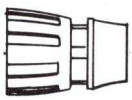
FOR COMPLETE BIT AND SOCKET ILLUSTRATIONS-SPECS. — SEE P. 54

HEAVY-DUTY DEEP CORRUGATION KIT

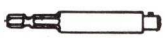
NEW

DEEP CORRUGATION KIT NO. 49-22-1510

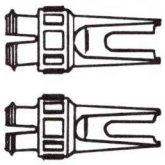
Kit consists of Depth Adjuster, Socket Driver and two Locator Tips.



DEPTH ADJUSTER
NO. 49-26-2500



SOCKET DRIVER
NO. 48-32-2055



LOCATOR TIPS
5/16"
NO. 49-78-0312
3/8"
NO. 49-78-0375

Permits depth-adjustable driving of 5/16"and 3/8" hex head screws into deep, narrow corrugation, or flush to side walls. Locator tips can be rotated for alignment.

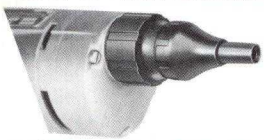
Note: Must be used with 48-32-2500 Bit Housing (Provided with models 6798-1 & 6747-1.) 5/16" & 3/8" sockets not furnished.

FITS THE FOLLOWING LIST OF MILWAUKEE SCREW-SHOOTERS FOR USE WITH SELF-DRILLING, SELF-TAPPING FASTENERS

CATALOG NO. 6798-1	0-2500 RPM POSITIVE DRIVE
6747-1	2500 RPM POSITIVE DRIVE
6543-1	0-1000 RPM POSITIVE DRIVE

Kit also fits discontinued Positive Drive Model 6796-1.

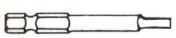
HEAVY-DUTY MOBILE HOME KIT



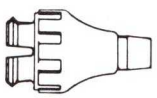
MOBILE HOME KIT NO. 49-22-1530

Kit consists of Bit Guide Housing, 5/32" x 2-3/4" Clutch Head Bit and Clutch Head Finder Assembly.

BIT GUIDE HOUSING
NO. 48-32-1000



5/32" x 2-3/4" CLUTCH HEAD BIT
NO. 48-30-1145



CLUTCH HEAD FINDER ASSEMBLY
NO. 48-30-2500

Permits fast, efficient driving of clutch head screws commonly used in the mobile home industry. Spring loaded finder centers screws, then slides back for access into extrusions. Fits 5/32" clutch head drive only.

FITS THE FOLLOWING LIST OF MILWAUKEE SCREW-SHOOTERS FOR USE WITH CLUTCH HEAD SCREWS

CATALOG NO. 6747-1*	2500 RPM POSITIVE DRIVE
6798-1	0-2500 RPM POSITIVE DRIVE
6543-1	0-1000 RPM POSITIVE DRIVE
6751-1	4000 RPM POSITIVE DRIVE

* Recommended

Kit also fits Adjustable Torque Models 6583-1 and 6783-1 and discontinued Positive Drive Models 6745-1, 6746-1 and 6796-1.

HEAVY-DUTY SPECIAL SCREW SHOOTER

FOR DRIVING SELF-DRILLING, SELF-TAPPING TEKS® FASTENERS

TEKS® registered trademark of Illinois Tool Works, Inc.

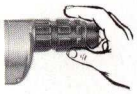
POWERFUL 4.5 AMP MOTOR
CONVENIENT REVERSING SWITCH

NO. 6783-1 REVERSING
ADJUSTABLE TORQUE CLUTCH
TRIGGER SPEED CONTROL 0-2500 RPM
EXCLUSIVE BIT GUIDES

CAPACITY: 1/4" IN 3/16" COLD ROLLED STEEL OR NO. 12 IN 1/2" COLD ROLLED STEEL.

MILWAUKEE'S Adjustable Torque Clutch model is a completely new concept for driving self-drilling, self-tapping fasteners. A simple "pull and turn" torque adjusting ring is the only adjustment required for fast accurate screwdriving. Clutch disengages and driving action stops when pre-set torque is reached.

SIMPLIFIED ADJUSTABLE TORQUE RELEASE CLUTCH



Torque output is easily changed externally by turning adjusting ring. Locking collar positively holds setting. MODEL 6783-1 supplied with HIGH RANGE CLUTCH (35 to 150 in. lbs.). Also available is STANDARD CLUTCH (10 to 115 in. lbs.).*

*See your local MILWAUKEE Branch Office or Service Station.

CATALOG NUMBER	RPM NO LOAD	BIT SHANK SIZE	SPINDLE OFFSET	115 VOLTS 60 CYCLE AC ONLY LGTH. (IN.)	NET WGT. (LBS.)	SHP. WGT. (LBS.)
6783-1 REV.	0-2500	1/4" Hex	3/4"	10-1/4	4-1/2	8

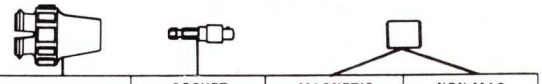
STANDARD EQUIPMENT: 5/16" Hex Magnetic Socket, 1/4" square x 2" long Socket Driver and 1/4", 5/16" and 3/8" Bit Guides.
"REV." after Catalog No. indicates reversing type motor. Equipped with lockable trigger switch.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

MOBILE HOME KIT AVAILABLE — SEE P. 50
CARRYING CASE, HOLSTER, GREASE AVAILABLE — SEE P. 53

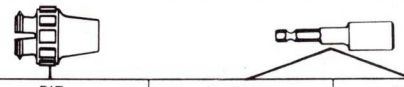
BIT GUIDES FOR 6783-1 ADJUSTABLE TORQUE

HEX HEAD SCREWS — USING SOCKET & DRIVER



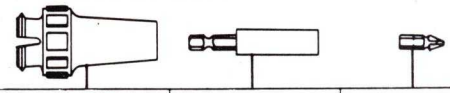
HEX. SIZE	BIT GUIDE	SOCKET DRIVER	MAGNETIC SOCKET	NON-MAG. SOCKET
1/4"	**48-32-0250**	1/4 Sq. x 2" Long **48-32-2050**	**49-66-3000**	**49-66-3001**
5/16"	**48-32-0312**		**49-66-3010**	**49-66-3011**
3/8"	**48-32-0375**		**49-66-3020**	**49-66-3021**

HEX HEAD SCREWS — USING ONE PIECE EXTENSIONS



HEX. SIZE	BIT GUIDE	MAGNETIC EXTENSION	NON-MAG. EXTENSION
1/4"	**48-32-0250**	**49-66-3006**	**49-66-3005**
5/16"	**48-32-0312**	**49-66-3016**	**49-66-3015**
3/8"	**48-32-0375**	**49-66-3026**	**49-66-3025**

PHILLIPS, POSIDRIV®, FREARSON, ROBERTSON, CLUTCH HEAD AND HEX SOCKET SCREWS



TYPE OF SET-UP	BIT GUIDE	BIT HOLDER	INSERT BITS
Magnetic	**48-32-0608**	**48-32-3025**	**Select any Insert Bit**
Non-Magnetic	**48-32-0250**	**48-32-3050**	

NOTE: For Slotted Screws and Hex Nuts, use accessories as shown for Model 6583-1 below.

FOR COMPLETE BIT AND SOCKET ILLUSTRATIONS-SPECS. — SEE P. 54

HEAVY-DUTY SCREW-SHOOTER — NUT RUNNER

FOR MACHINE AND SHEET METAL SCREWS AND NUTS

POWERFUL 4.5 AMP MOTOR
CONVENIENT REVERSING SWITCH

NO. 6583-1 REVERSING
ADJUSTABLE TORQUE CLUTCH
TRIGGER SPEED CONTROL 0-1000 RPM

CAPACITY: TAPPING SCREWS — TO 1/4" IN 3/16" MILD STEEL MACHINE SCREWS AND NUTS — TO 1/4"

MILWAUKEE'S Adjustable clutch mechanism offers optimum torque control by a simple "pull and turn" adjusting ring. Ideally suited for driving machine and sheet metal screws and nuts. Once adjusted, uniform torque is maintained when driving screws or nuts of the same size in materials of uniform density. Clutch automatically disengages when screw or nut is set. Powerful 4.5 amp motor with 0 to 1000 rpm speed control offers continuous control from start to finish.

CATALOG NUMBER	RPM NO LOAD	BIT SHANK SIZE	SPINDLE OFFSET	115 VOLTS 60 CYCLE AC ONLY LGTH. (IN.)	NET WGT. (LBS.)	SHP. WGT. (LBS.)
6583-1 REV.	0-1000	1/4" Hex	3/4"	10-1/4	5	7-1/2

STANDARD EQUIPMENT: 6F-8R Bit and Finder, 10F-12R Bit and Finder, 6F-8R Bit Guide, 10F-12R Bit Guide, #2 Phillips Insert Bit, Non. Mag. Bit Holder and 1/4" Bit Guide.
STANDARD CLUTCH (10 to 115 in. lbs.). Also available is HIGH RANGE CLUTCH (35 to 150 in. lbs.).*

*See your local MILWAUKEE Branch Office or Service Station.

"REV." after Catalog No. indicates reversing type motor. Equipped with lockable trigger switch.

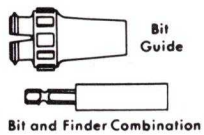
MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

MOBILE HOME KIT AVAILABLE — SEE P. 50
CARRYING CASE, HOLSTER, GREASE AVAILABLE — SEE P. 53

BIT GUIDES FOR 6583-1 ADJUSTABLE TORQUE

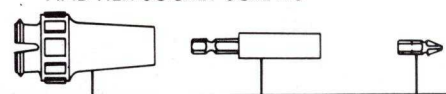
SLOTTED SCREWS

SCREW SIZE	BIT GUIDE	BIT AND FINDER COMBINATION
6F-8R	**48-32-0608**	**48-30-2600**
8F-10R	**48-32-0810**	**48-30-2625**
10F-12R	**48-32-1012**	**48-30-2650**
12F-14R	**48-32-1214**	**48-30-2675**
14F-16R	**48-32-1416**	**48-30-2700**



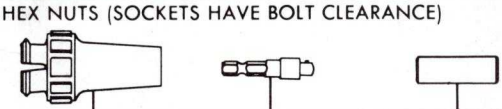
NOTE:
F = Flat Head
R = Round Head

PHILLIPS, POSIDRIV®, FREARSON, ROBERTSON, CLUTCH HEAD AND HEX SOCKET SCREWS



TYPE OF SET-UP	BIT GUIDE	BIT HOLDER	INSERT BITS
Magnetic	**48-32-0608**	**48-32-3025**	**Select any Insert Bit**
Non-Magnetic	**48-32-0250**	**48-32-3050**	

HEX NUTS (SOCKETS HAVE BOLT CLEARANCE)



HEX. SIZE	BIT GUIDE	SOCKET DRIVER	MAGNETIC 2" LG. NUT SOCKET
1/4"	**48-32-0312**	1/4" Sq. x 2" Lg. **48-32-2050**	**49-66-3002**
5/16"	**48-32-0810**		**49-66-3012**
3/8"	**48-32-1012**		**49-66-3022**

NOTE: For Hex Head Screws, use accessories as shown for Model 6783-1 above.

HEAVY-DUTY SCREW-SHOOTER *FOR WOOD SCREWS*

POWERFUL 4.5 AMP MOTOR
CONVENIENT REVERSING SWITCH

Positive Clutch Drive Unit is compact, lightweight and powerful for use in wood and other resilient materials where there is a varied resistance in density and hardness. Clutch engages when pressure is applied and stops when pressure is released. Torque is maintained while pressure is applied. New exclusive Snap-in bit guide design provides maximum support, greatly reducing bit wobble.

CATALOG NUMBER	RPM NO LOAD	BIT SHANK SIZE	SPINDLE OFFSET	115 VOLTS 60 CYCLE AC ONLY LGTH. (IN.)	NET WGT. (LBS.)	SHP. WGT. (LBS.)
6543-1 REV.	0-1000	1/4" Hex	3/4"	9-3/4	4-1/2	7

STANDARD EQUIPMENT: 6F-8R Bit and Finder, 10F-12R Bit and Finder, 6F-8R Bit Guide, 10F-12R Bit Guide, #2 Phillips Insert Bit, Non. Mag. Bit Holder and 1/4" Bit Guide.
"REV." after Catalog No. indicates reversing type motor. Equipped with lockable trigger switch.

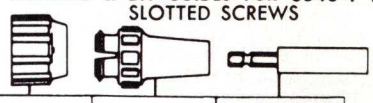
MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES
THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

MOBILE HOME KIT AVAILABLE — SEE P. 50
DEEP CORRUGATION KIT AVAILABLE — SEE P. 50
CARRYING CASE, HOLSTER, GREASE AVAILABLE — SEE P. 53

NO. 6543-1 REVERSING
POSITIVE DRIVE CLUTCH
TRIGGER SPEED CONTROL 0-1000 RPM

CAPACITY: SOFT WOOD WITH PILOT HOLE — TO 5/16" LAG.
SOFT WOOD WITHOUT PILOT HOLE — TO #16
HARD WOOD WITH PILOT HOLE — TO #16
HARD WOOD WITHOUT PILOT HOLE — TO #12

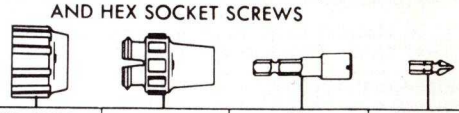
BIT GUIDE HOUSING & BIT GUIDES FOR 6543-1 POSITIVE DRIVE
SLOTTED SCREWS



SCREW SIZE	BIT GUIDE HOUSING	BIT GUIDE	BIT AND FINDER COMBINATION
6F-8R	Cat. No. 48-32-1000	48-32-0608	48-30-2600
8F-10R		48-32-0810	48-30-2625
10F-12R		48-32-1012	48-30-2650
12F-14R		48-32-1214	48-30-2675
14F-16R		48-32-1416	48-30-2700

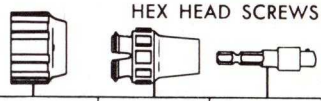
NOTE:
F = Flat Head
R = Round Head

PHILLIPS, POSIDRIV®, FREARSON, ROBERTSON, CLUTCH HEAD
AND HEX SOCKET SCREWS



TYPE OF SET-UP	BIT GUIDE HOUSING	BIT GUIDE	BIT HOLDER	INSERT BITS
Magnetic	Cat. No. 48-32-1000	48-32-0608	48-32-3025	Select any Insert Bit
Non-Mag.		48-32-0250	48-32-3050	

HEX HEAD SCREWS



HEX. SIZE	BIT GUIDE HOUSING	BIT GUIDE	SOCKET DRIVER	MAGNETIC SOCKET	NON-MAG. SOCKET
1/4"	Cat. No. 48-32-1000	48-32-0250	1/4 Sq. x 2" Long	49-66-3000	49-66-3001
5/16"		48-32-0312		49-66-3010	49-66-3011
3/8"		48-32-0375	48-32-2050	49-66-3020	49-66-3021

NOTE: For Hex Nuts or Hex Head Screws, using one piece extensions, use accessories as shown for Model 6583-1, plus Bit Guide Housing, NO. 48-32-1000.

FOR COMPLETE BIT AND SOCKET ILLUSTRATIONS-SPECS. — SEE P. 54

HEAVY-DUTY NO-HUB SCREW-SHOOTER

FAST INSTALLATION
OF NO-HUB COUPLINGS

NO. 6584-1 REVERSING
TRIGGER SPEED CONTROL 0-1000 RPM

- **Powerful 4.5 amp motor**
- **Convenient reversing switch**
- **Factory pre-set clutch assures 60" lbs. of torque**
- **Nosepiece is easy to remove for getting into tight work**

No-Hub Driver tightens no-hub couplings 10 times faster than hand wrench methods . . . plus gives you these extra benefits: Greater torque accuracy. Trigger-speed control with reversing. Powerful 4.5 amp motor. Pre-Set clutch. Heavy-duty ball and roller bearing construction, for long trouble-free service. Suitable for many other driver applications.

CATALOG NUMBER	RPM NO LOAD	BIT SHANK SIZE	SPINDLE OFFSET	115 VOLTS 60 CYCLE AC ONLY LGTH. (IN.)	NET WGT. (LBS.)	SHP. WGT. (LBS.)
6584-1 REV.	0-1000	1/4" Hex	3/4"	10-1/2	5	7-1/2

STANDARD EQUIPMENT: 5/16" Hex Non-Magnetic Socket Extension and 5/16" Bit Guide.
"REV." after Catalog No. indicates reversing type motor. Model is equipped with lockable trigger switch.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES
THAT THIS TOOL COMPLIES WITH O.S.H.A. REQUIREMENTS

CARRYING CASE, HOLSTER, GREASE AVAILABLE — SEE P. 53

HEAVY-DUTY DRYWALL SCREW-SHOOTERS

2 MODELS

BOTH MODELS EQUIPPED WITH:
- *POWERFUL 4.5 AMP MOTOR*
- *CONVENIENT REVERSING SWITCH*
- *POSITIVE DRIVE CLUTCH*
- *NON-MARRING LOCATORS*

MINIMUM OFFSET FOR CLOSE QUARTER WORK — SIMPLE, POSITIVE, DEPTH ADJUSTMENT. For driving screws flush or "dimple sinking" when installing panels on metal or wood studs. Drives to exact depth without marring or damaging panels — makes cementing and final finishing easier. Magnetic bit holder holds drywall screws to insert bit. Reversing switch allows easy removal of screws. Positive lock adjustment provides a wide range of depth settings. New, simplified, one hand adjustment. Push Locking Collar forward and rotate it to right or left. Each 1/4" turn equals 1/64" change in depth. New lightweight nose assembly is permanently lubricated and will not rust or corrode.

NO. 6747-1 REVERSING
2500 RPM

HIGH SPEED MODEL
NO. 6751-1 REVERSING
4000 RPM

115 VOLTS 60 CYCLE AC ONLY

CATALOG NUMBER	RPM NO LOAD	BIT SHANK SIZE	SPINDLE OFFSET	LGTH. (IN.)	NET WGT. (LBS.)	SHP. WGT. (LBS.)
6747-1 REV.	2500	1/4" Hex	3/4"	10-1/4	4	7
6751-1 REV.	4000	1/4" Hex	3/4"	10-1/4	4	7

STANDARD EQUIPMENT: #2 Phillips Bit, Magnetic Bit Holder and Magnetic Bit Holder Locator.

"REV." after Catalog No. indicates reversing type motor. Both models are equipped with lockable trigger switch.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

DEEP CORRUGATION KIT AVAILABLE FOR MODEL 6747-1 ONLY — SEE P. 50

MOBILE HOME KIT AVAILABLE FOR BOTH MODELS — SEE P. 50

CARRYING CASE, HOLSTER, GREASE AVAILABLE — SEE P. 53

Accessories for Drywall Screw-Shooters on next page.

ACCESSORIES

1/4" HEX MAGNETIC BIT HOLDER
NO. 48-32-3025

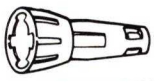
"O" RING ONLY FOR ABOVE
NO. 48-32-3045

NOSE END ONLY FOR ABOVE
NO. 48-32-3040

1/4" HEX PHILLIPS INSERT BITS
#1
NO. 48-32-1030
#2
NO. 48-32-1050

1/4" HEX INSERT SOCKETS MAGNETIC
NO. 49-66-0800
NON-MAGNETIC
NO. 49-66-0750

BIT HOUSING
NO. 48-32-2500



LOCATOR SLEEVE FOR MAGNETIC BIT HOLDER
NO. 49-26-1000

2 PC. MAGNETIC BIT HOLDER
NO. 48-32-3030

NOSE END ONLY FOR ABOVE
NO. 48-32-3035

LOCATOR TIP NO. 49-78-0100
REPLACEMENT INSERT FOR DRYWALL LOCATOR
NO. 49-26-1000

For use on extremely abrasive material or metal lath. Easily removable for non-marring applications.

CONVERSION KIT NO. 49-22-1520
Non-marring nose assembly fits previous MILWAUKEE Drywall Screw-Shooters. Consists of Bit Housing NO. 48-32-2500 and Locator Sleeve NO. 49-26-1000.

FOR COMPLETE BIT AND SOCKET ILLUSTRATIONS-SPECS. — SEE P. 54

HEAVY-DUTY SCREW-SHOOTER ACCESSORIES

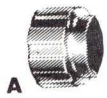
LEATHER HOLSTER
FOR SCREW-SHOOTERS AND HOLE-SHOOTERS
Fits belts to 3" wide.
NO. 49-17-0200

CARRYING CASE FOR SCREW-SHOOTERS AND HOLE-SHOOTERS
OVERALL SIZE
13" long, 6" high, 8-1/2" wide
NO. 48-55-0710

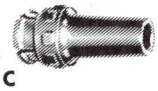
TYPE "A" GREASE
NO. 49-08-0500 1/2 Lb. Can
NO. 49-08-0800 1 Lb. Can

HEAVY-DUTY SCREW-SHOOTER ACCESSORIES

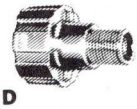
SCREW-SHOOTER NOSE PIECE ASSEMBLIES

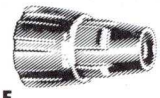

A — BIT GUIDE HOUSING

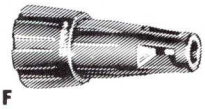
B — SHORT BIT GUIDE


C — LONG BIT GUIDE

Milwaukee's Exclusive Bit Guides Provide Wobble-Free Screwdriving


D — BIT HOUSING

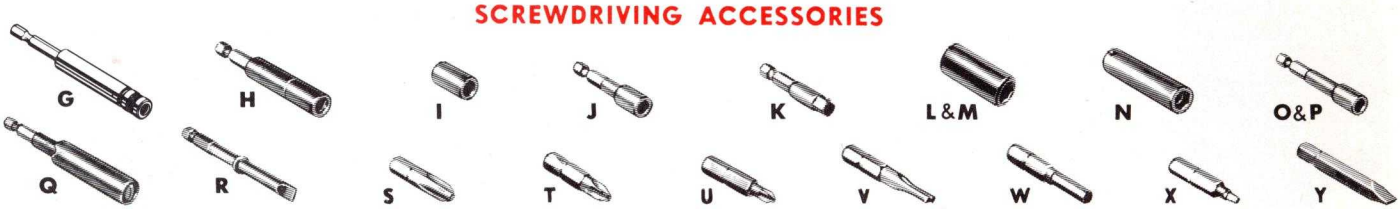

E — LOCATOR


F — MAGNETIC BIT HOLDER LOCATOR

Milwaukee Locators Provide Wobble-Free Screwdriving — Plus Depth Adjustments

KEY	DESCRIPTION	CATALOG NO.	FOR USE WITH DRIVER			
A	Bit Guide Housing	48-32-1000	6543-1	6747-1	6751-1	6798-1
B1	1/4" Bit Guide	48-32-0250	ALL MODELS			
B2	5/16" Bit Guide	48-32-0312				
B3	3/8" Bit Guide	48-32-0375	ALL EXCEPT 6751-1			
C1	6F-8R Bit Guide	48-32-0608	ALL MODELS			
C2	8F-10R Bit Guide	48-32-0810	ALL EXCEPT 6751-1			
C3	10F-12R Bit Guide	48-32-1012				
C4	12F-14R Bit Guide	48-32-1214				
C5	14F-16R Bit Guide	48-32-1416				
D	Bit Housing	48-32-2500	6543-1	6747-1	6751-1	6798-1
E1	1/4" Locator	49-26-0250	6543-1	6747-1	6751-1	6798-1
E2	5/16" Locator	49-26-0312	6543-1	6747-1	6751-1	6798-1
E3	3/8" Locator	49-26-0375	6543-1	6747-1		6798-1
E4	7/16" Locator	49-26-0600	6543-1	6747-1		6798-1
F	Mag. Bit Holder Loc.	49-26-1000	6543-1	6747-1	6751-1	6798-1

SCREWDRIVING ACCESSORIES



When Ordering, Use Catalog Numbers

BIT HOLDERS • SOCKETS • EXTENSIONS • BITS and FINDERS

KEY	DESCRIPTION	SIZE	CATALOG NO.	FOR USE WITH
G	Magnetic Bit Holder		48-32-3025	F or C1
H	2-Pc. Mag. Bit Holder		48-32-3030	F or C1
I	Bit Holder Nose End (for H)		48-32-3035	H
J	Non-Mag. Bit Holder		48-32-3050	E1 or B1
K	1/4" Sq. x 2" Socket Driver		48-32-2050	L-M-N
L1	Hex. Sockets Only Non-Magnetic	1/4"	49-66-3001	K & E1 or B1
L2		5/16"	49-66-3011	K & E2 or B2
L3		3/8"	49-66-3021	K & E3 or B3
M1	Hex Sockets Only Magnetic	1/4"	49-66-3000	K & E1 or B1
M2		5/16"	49-66-3010	K & E2 or B2
M3		3/8"	49-66-3020	K & E3 or B3
M4		7/16"	49-66-3030	K & E4
N1	2" Lg. Hex Nut Magnetic Sockets With Bolt Clearance	1/4"	49-66-3002	K & B2
N2		5/16"	49-66-3012	K & C2
N3		3/8"	49-66-3022	K & C3
O1	1 Pc. Hex Socket Extension Non-Magnetic	1/4"	49-66-3005	E1 or B1
O2		5/16"	49-66-3015	E2 or B2
O3		3/8"	49-66-3025	E3 or B3
P1	1 Pc. Hex Socket Extension Magnetic	1/4"	49-66-3006	E1 or B1
P2		5/16"	49-66-3016	E2 or B2
P3		3/8"	49-66-3026	E2 or B3
Q1	Bit and Finder Combinations (Slotted Screws) 3 1/2" long	6F-8R	48-30-2600	C1
Q2		8F-10R	48-30-2625	C2
Q3		10F-12R	48-30-2650	C3
Q4		12F-14R	48-30-2675	C4
Q5		14F-16R	48-30-2700	C5
R1	Replacement Bits for Bit and Finder Combinations 3 1/2" long	6F-8R	48-30-0750	Q1
R2		8F-10R	48-30-0770	Q2
R3		10F-12R	48-30-0790	Q3
R4		12F-14R	48-30-0800	Q4
R5		14F-16R	48-30-0805	Q5

When Ordering, Use Catalog Numbers

INSERT BITS

KEY	DESCRIPTION	SIZE	CATALOG NO.	FOR USE WITH
S1	Phillips 1" long	#1	48-32-1030	G, H or J
S2		#2	48-32-1050	
S3		#3	48-32-1070	
T1	Posidriv® 1" long	#1	48-32-1120	
T2		#2	48-32-1125	
T3		#3	48-32-1130	
U1	Frearson (Reed & Prince) 1 1/8" long	#1	48-32-1110	
U2		#2	48-32-1115	
V1	Clutch Head Insert Bits 1 1/4" long	3/32"	48-32-1135	
V2		1/8"	48-32-1140	
V3		5/32"*	48-32-1145	
V4		3/16"	48-32-1150	
V5		1/4"	48-32-1155	
W1	Hex Socket Insert Bits 1" long	5/64"	48-32-1160	
W2		3/32"	48-32-1165	
W3		7/64"	48-32-1170	
W4		1/8"	48-32-1175	
W5		9/64"	48-32-1180	
W6	Hex Socket Insert Bits 1 5/16" long	5/32"	48-32-1185	
W7		3/16"	48-32-1190	
W8		7/32"	48-32-1195	
W9		1/4"	48-32-1200	
X1	Square Drive (Robertson) 1" long	#1	48-32-1205	
X2		#2	48-32-1210	
X3		#3	48-32-1215	
Y1	Slotted Screw Insert Bits 1 1/2" long	6F-8R	48-32-0050	It is Recommended Slotted Screws Be Driven With Q1 thru Q5
Y2		8F-10R	48-32-0060	
Y3		10F-12R	48-32-0070	
Y4		12F-14R	48-32-0080	
Y5		14F-16R	48-32-0090	

* See page 50 for 5/32" Clutch Head Mobile Home Kit.

ACCESSORIES FOR PREVIOUS MILWAUKEE 1/4" HEX SHANK DRIVERS

1 15/16" Long Bits For Slotted Head Screws

BIT

FINDER

SCREW SIZE	BIT ONLY CATALOG NO.	FINDER CATALOG NO.
6F-8R	48-30-0500	48-30-2025
8F-10R	48-30-0505	48-30-2050
10F-12R	48-30-0510	48-30-2075
12F-14R	48-30-0515	48-30-2100

2" Long Phillips Bits

PHILLIPS BIT

#2 NO. 48-30-1520
#3 NO. 48-30-1500

HEAVY-DUTY IMPACT WRENCHES

IMPACT WRENCH KIT NO. 9056
★(Contains Impact Wrench NO. 9051 and accessories shown below)

NO. 9051 1/2" SQUARE DRIVE with Ball Detent Square Drive. The finest, most powerful impact wrench of its size for setting, running or removing bolts, nuts, studs and screws . . . also taps, threads, rethreads, drills and reams. Forward and reverse rotation is achieved by turning rear end-cap. Brushes shift automatically for best commutation and efficiency.

NO. 9070 3/4" SQUARE DRIVE with Pin and Ring Retainer Square Drive. Perfect balance for fatigue-free use and plenty of power make this tool ideal for steel erection, equipment maintenance and other heavy-duty industrial applications. This tool has the same basic high quality impact mechanism as the Cat. No. 9051 plus an increased torque range.

NO. 9060
5/8" QUICK CHANGE CHUCK

Quick-Change 5/8" hex recess chuck. Use wood augers with integral 5/8" hex shanks from 7/16" thru 1-1/16". Easy to operate end-cap for reversing rotation allows safe bit removal. Quick-Change chuck makes changing of augers and sockets possible on job site without additional tools.

CATALOG NUMBER	IMPACTS PER MIN.	NO LOAD RPM	TORQUE RANGE	VOLTS	LGTH. (INS.)	NET WGT.	SHP. WGT.
9051	1900	1900	95-130	115	10-1/4	6-1/4	9-1/4
9056 KIT	1900	1900	95-130	115	10-1/4	13	16
9060	1725	1700	175-250	115	11-7/8	10	13
9070	1725	1700	175-250	115	11-7/8	10	13

★**IMPACT WRENCH KIT** Convenient 1/2" Impact Wrench Kit is complete with compact carrying case and an assortment of 1/2" hex drive sockets. Catalog No. 9056 1/2" Impact Wrench Kit includes: 9051 Impact Wrench, 49-66-3080 1/2" Hex Socket, 49-66-3090 9/16" Hex Socket, 49-66-3100 5/8" Hex Socket, 49-66-3110 11/16" Hex Socket, 49-66-3120 3/4" Hex Socket, 49-66-3130 13/16" Hex Socket, 48-55-2580 Steel Carrying Case.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

1/2" SQUARE DRIVE IMPACT WRENCH ACCESSORIES

HEAVY-DUTY 1/2" SQUARE DRIVE IMPACT HEX SOCKETS Single broached, standard length. Specially made for Impact Wrench.

7/16" NO. 49-66-3070
11/16" NO. 49-66-3110
1/2" NO. 49-66-3080
3/4" NO. 49-66-3120
9/16" NO. 49-66-3090
13/16" NO. 49-66-3130
5/8" NO. 49-66-3100
7/8" NO. 49-66-3140

UNIVERSAL JOINT NO. 48-03-0500 Fits 1/2" Square Drive and used with Hex Sockets to reach difficult places at various angles . . . also allows clearance around obstructions.

TOOL HANGER NO. 49-17-0220 For Impact Wrench models 9051, 9060 and 9070.

EXTENSION BAR NO. 48-95-5000 Adapts to 1/2" Square Drive. Provides 5" additional length where required for use with sockets or other accessories.

KEYLESS CHUCK NO. 48-66-0010 Adapts to 1/2" Square Drive with capacity for accessories with 1/8" to 1/2" diameter shanks.

QUICK CHANGE CHUCK NO. 48-66-0060 With 7/16" Hex Socket for Screw Driver Bits and hole saws or other accessories with 7/16" Hex Shanks. See page 17 for hole saws.

COLLET CHUCK NO. 48-66-0050. For round shank tools, drills and reamers 3/16" to 3/8" diameter . . . also taps and E-Z outs No. 10 to 1/2". Two wrenches are included:

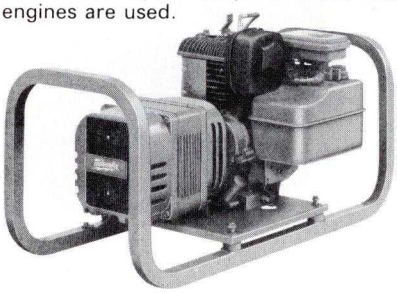
BUMPER KIT NO. 48-50-1000 One set of rubber protective rings for Impact Wrenches 9051 and 9056.
BUMPER KIT NO. 48-50-1010 One set of rubber protective rings for Impact Wrenches 9060 and 9070.
OPEN END WRENCH NO. 49-96-4680 Included and used with Collet Chuck No. 48-66-0050.
CARRYING CASE FOR 9051 ONLY NO. 48-55-2580 **SPECIAL LUBRICANT NO. 49-08-0100** For mechanism — 3-1/2 oz. tube.

NEW HEAVY-DUTY ALTERNATORS

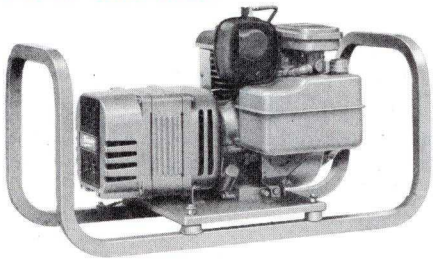
RELIABLE LOW COST POWER

Advanced design revolving field alternators offer superior electrical performance with less weight, less maintenance and less cost. Full power output is obtained from stationary coils through solid connections eliminating arcing and sparking. Brushes in alternator ride on smooth slip rings and carry only low control current with practically no brush wear. Nationally recognized engines are used.

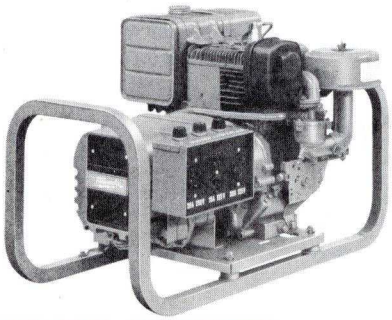
- **ADVANCE DESIGN** Revolving field alternator construction eliminates AC slip rings and DC commutators.
- **MULTIPLE CHOICE RECEPTACLE PANEL** To fit your electrical requirements. All outlets fused for greater protection.
- **LARGE FUEL TANK CAPACITIES**
- **MANUAL CHOKE ON ALL MODELS**



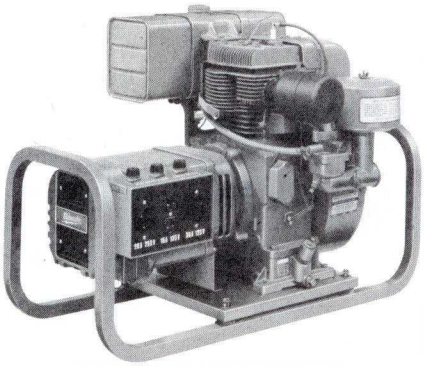
NO. 4443 1500 WATTS
4 H. P. 3600 RPM



NO. 4503 2000 WATTS
5 H. P. 3600 RPM



NO. 4713 4000 WATTS
10 H. P. 3600 RPM



NO. 4778 5000 WATTS
13 H. P. 3600 RPM

NO. 4613
3000 WATTS
8 H. P.
3600 RPM

NO. 48-83-0120 ALTERNATOR DOLLY
For MILWAUKEE Alternators illustrated.

Consists of push handle, rest and wheel assemblies. 8" dia., pneumatic, heavy-duty tires. Wheels have roller bearings. Net Wt. 14 lbs., Shpg. Wt. 19 lbs.

ALTERNATOR SPECIFICATIONS

CATALOG NUMBER	WATTS	H. P.	ENGINE 1 CYL.	START	FUEL TANK (GAL.)	VOLTS AC	TOTAL AMPS OUTPUT 120/240	OUTPUT RECEPTACLES 120 V 2 POLE NEMA #5-15R	120 V TWIST LOCK NEMA #L5-30R	240 V TWIST LOCK L6-20R	OVERALL DIMENSIONS IN INCHES L.	W.	H.	NET WT. (LBS.)	SHP. WT. (LBS.)
4443	1500	4	B & S	Recoil	3/4	120	12.5	4	—	—	28.5	16	15.5	84	108
4503	2000	5	B & S	Recoil	3/4	120	16.6	4	—	—	28.5	16	15.5	84	108
4613	3000	8	B & S	Recoil	1-1/2	120/240	25.0/12.5	2 Fused	1 Fused	Fused	28.5	18.25	18.5	111	134
4713	4000	10	B & S	Recoil	1-1/2	120/240	33.3/16.6	2 15	1 30	20	31	20	23	184	228
4778	5000	13	B & S	Rope	1-1/2	120/240	41.6/20.8	2 Amps	1 Amps	Amps	31	20.5	22.5	210	256

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

CAPACITY: Catalog Numbers 4443 and 4503 — Full rated alternator current can be drawn from a single receptacle or split between two or more receptacles.

Catalog Numbers 4613, 4713 and 4778 — Full rated alternator current can be drawn from either the 120 volt or 240 volt receptacles except where receptacles are fused at current values below the full capacity of the alternator (requirement of National Electric Code). Full rated current loads can also be split between the 120 volt and 240 volt receptacles; i.e. 40% — 120 volt load and 60% — 240 volt load.

HOW TO SELECT YOUR MILWAUKEE ALTERNATOR

MILWAUKEE Alternators are built for continuous-duty operation at rated capacity. To determine which Alternator best fits your needs, total the watt ratings (volts x amps = watts) of all equipment (excluding electric motors) to be operated at the same time. The watt rating of the Alternator should be at least equal this total. When operating electric motors, add the "starting watts required" shown in the chart at right to insure good starting and to reduce disturbances to other loads. When analyzing the motor loads and required starting watts, determine which loads can be staggered. In most cases, it is impractical to have an alternator large enough to handle total connected load.

Motor H.P. Rating	Approx. Running Watts	Approximate Starting Watts Required			
		Universal Motors	Repulsion Induction Motors	Capacitor Motors	Split Phase Motors
1/6	275	400	600	850	1200
1/4	400	500	850	1050	1700
1/3	450	600	975	1350	1950
1/2	600	750	1300	1800	2600
3/4	850	1000	1900	2600	†
1	1000	1250	2300	3000	†
1 1/2	1600	1750	3200	4200	†
2	2000	2350	3900	5100	†
3	3000	†	5200	6800	†

† Motors of higher horsepower are not generally used.

QUICK REFERENCE LIST *GENUINE MILWAUKEE REPLACEMENT PARTS*

For customer convenience, MILWAUKEE provides this list of replacement parts to simplify ordering components for current models listed in this catalog. Genuine MILWAUKEE parts for these and previous models are available from your nearest Authorized Service Station, Branch or Factory as listed on the inside back cover. These parts are exact duplicates of those used in MILWAUKEE ELECTRIC TOOLS and are your assurance of maximum tool life and trouble-free operation. A complete schematic diagram indicating all parts may be obtained by ordering the service bulletin number shown. However, major repairs should be referred to factory trained personnel. At no time should substitute parts be used. Always furnish catalog number and serial number of the tool when ordering parts.

● Cat. No.	Service Bulletin No.	Serial No. Start	Armature No.	Field No.	Carbon Brush No.	Cord No.	Brush Cap No.	Switch No.
0101	54-06-0205	376-33402	16-22-1280	18-22-1121	22-18-0155	22-64-0665	23-44-0020	23-66-0515
0102-1	54-06-0352	428-26932	16-22-1280	18-22-1121	22-18-0155	22-64-0665	23-44-0020	23-66-0792
0120	54-06-0404	90-54543	16-22-1120	18-22-1030	22-18-0155	22-64-0170	23-44-0020	23-66-0280
0121	54-06-0504	377-4618	16-22-1251	18-22-1121	22-18-0155	22-64-0665	23-44-0020	23-66-0515
0122-1	54-06-0652	429-7274	16-22-1251	18-22-1121	22-18-0155	22-64-0665	23-44-0020	23-66-0792
0125	54-06-0701	322-3404	16-20-1010	18-20-1000	22-18-0155	22-64-0310	23-44-0020	23-66-0280
0141	54-06-0820	479-1001	16-22-1251	18-22-1121	22-18-0155	22-64-0665	23-44-0020	23-66-0515
0161	54-06-1020	480-1001	16-22-1251	18-22-1121	22-18-0155	22-64-0665	23-44-0020	23-66-0515
0181	54-06-1304	393-2118	16-22-1251	18-22-1121	22-18-0155	22-64-0665	23-44-0020	23-66-0515
0191	54-06-1504	394-2394	16-22-1251	18-22-1121	22-18-0155	22-64-0665	23-44-0020	23-66-0515
0220	54-06-2004	88-65425	16-22-1110	18-22-1030	22-18-0155	22-64-0170	23-44-0020	23-66-0280
0221	54-06-2104	378-11201	16-22-1241	18-22-1121	22-18-0155	22-64-0665	23-44-0020	23-66-0515
0222-1	54-06-2304	430-64221	16-22-1241	18-22-1121	22-18-0155	22-64-0665	23-44-0020	23-66-0792
0225	54-06-2401	316-3052	16-20-1000	18-20-1000	22-18-0155	22-64-0310	23-44-0020	23-66-0280
0566-1	54-05-0125	496-1001	16-22-1221	18-22-1060	22-18-0155	22-64-0665	23-44-0020	23-66-0797
0801	54-08-0221	485-1151	16-42-1425	18-42-1240	22-16-0250	22-64-0385	23-44-0120	23-66-0505
0805	54-08-0251	484-1151	16-42-1425	18-42-1240	22-16-0250	22-64-0625	23-44-0120	23-66-0505
0871	54-08-0611	486-1201	16-42-1425	18-42-1240	22-16-0250	22-64-0385	23-44-0120	23-66-0505
0875	54-08-0631	487-1202	16-42-1425	18-42-1240	22-16-0250	22-64-0625	23-44-0120	23-66-0505
1001	54-08-1101	490-1501	16-42-1440	18-42-1230	22-16-0250	22-64-0385	23-44-0120	23-66-0505
1001-1	54-08-1141	491-2101	16-42-1440	18-42-1230	22-16-0250	22-64-0385	23-44-0120	23-66-0751
1101	54-08-1161	492-1576	16-42-1440	18-42-1230	22-16-0250	22-64-0385	23-44-0120	23-66-0505
1101-1	54-08-1181	493-2151	16-42-1440	18-42-1230	22-16-0250	22-64-0385	23-44-0120	23-66-0751
1106-1	54-08-2021	482-1452	16-42-1440	18-42-1230	22-16-0250	22-64-0625	23-44-0120	23-66-0751
1120	54-08-2141	306-3001	16-40-1030	18-40-1000	22-18-0280◈	22-64-0310	23-44-0020	23-66-0230
1201	54-08-2041	494-1152	16-42-1440	18-42-1230	22-16-0250	22-64-0385	23-44-0120	23-66-0505
1201-1	54-08-2061	495-1551	16-42-1440	18-42-1230	22-16-0250	22-64-0385	23-44-0120	23-66-0751
1250-1	54-08-1081	459-3726	16-42-1425	18-42-1240	22-16-0250	22-64-0385	23-44-0120	23-66-0751
1251-1	54-08-1121	481-1401	16-42-1425	18-42-1240	22-16-0250	22-64-0625	23-44-0120	23-66-0751
1600	54-10-0503	108-37796	16-62-1000	18-62-1000	22-18-0170	22-64-0385	23-44-0065	23-66-0190
1600-1	54-10-0525	109-17265	16-62-1140	18-62-1110	22-18-0170	22-64-0385	23-44-0065	23-66-0190▲
1620-1	54-10-0543	343-4041	16-62-1140	18-62-1110	22-18-0170	22-64-0385	23-44-0065	23-66-0190▲
1650	54-10-2004	117-24987	16-62-1010	18-62-1000	22-18-0170	22-64-0385	23-44-0065	23-66-0190
1650-1	54-10-2026	142-16466	16-62-1150	18-62-1110	22-18-0170	22-64-0385	23-44-0065	23-66-0190▲
1670-1	54-10-4025	472-1001	16-62-1165	18-62-1120	22-18-0450	22-64-0386	23-44-0130	23-66-0751
1675-1	54-10-4003	413-27172	16-62-1165	18-62-1120	22-18-0450	22-64-0386	23-44-0130	23-66-0751
1700	54-12-1025	62-14082	16-82-1420	18-82-1110	22-18-0115	22-64-0080	23-44-0081	23-66-0191
1700-1	54-12-1043	131-2658	16-82-1421	18-82-1110	22-18-0115	22-64-0080	23-44-0081	23-66-0191□
1750	54-12-2024	63-9085	16-82-1430	18-82-1110	22-18-0115	22-64-0080	23-44-0081	23-66-0191
1750-1	54-12-2034	130-3415	16-82-1810	18-82-1070	22-18-0115	22-64-0080	23-44-0081	23-66-0191□
1850	54-12-3022	66-12161	16-82-1430	18-82-1110	22-18-0115	22-64-0080	23-44-0081	23-66-0191
1850-1	54-12-3033	128-7285	16-82-1810	18-82-1070	22-18-0115	22-64-0080	23-44-0081	23-66-0191□
2400-1	54-12-6052	171-2536	16-82-1231	18-82-1070	22-18-0055	22-64-0075	23-44-0030	23-66-0191□
3940	54-16-2041	161-2023	16-82-1220	18-82-1070	22-18-0055	22-64-0065	23-44-0030	–
4030	54-16-3020	345-1001	16-82-1770	18-82-1070	22-18-0055	22-64-0065	23-44-0030	–
4035	54-16-3040	346-1001	16-82-1770	18-82-1070	22-18-0055	22-64-0065	23-44-0030	–
4252-1	54-14-1100	501-1001	16-42-1210	18-42-1040	22-18-0100	22-64-0751	23-44-0060	–
4262-1	54-14-2400	502-1001	16-82-1231	18-82-1070	22-18-0055	22-64-0740	23-44-0030	–

● For Drill Chucks and Chuck Keys, see page 18.

◈ Upper Brush Only. For Lower Brush, order 22-18-0290.

▲ For Reversing Toggle Switch, order 23-66-0198.

□ For Reversing Toggle Switch, order 23-66-0340.

Continued

QUICK REFERENCE LIST *GENUINE MILWAUKEE REPLACEMENT PARTS*

Cat. No.	Service Bulletin No.	Serial No. Start	Armature No.	Field No.	Carbon Brush No.	Cord No.	Brush Cap No.	Switch No.
4282-1	54-14-3100	503-1001	16-82-1231	18-82-1070	22-18-0055	22-64-0740	23-44-0030	–
4292-1	54-14-4200	504-1001	16-82-1781	18-82-1070	22-18-0055	22-64-0740	23-44-0030	–
4297-1	54-14-4300	505-1001	16-82-1781	18-82-1070	22-18-0055	22-64-0740	23-44-0030	–
5191	54-22-5010	441-1001	16-12-0010	18-12-0010	22-18-0480	22-64-0710	–	23-66-0895
5200	54-22-2038	74-3698	16-82-1660	18-82-1110	22-18-0260	22-64-0090	23-44-0065	23-66-0250
5220	54-22-3107	75-6706	16-82-1450	18-82-1110	22-18-0260	22-64-0090	23-44-0065	23-66-0250
5240	54-22-4107	76-5856	16-82-1450	18-82-1110	22-18-0260	22-64-0090	23-44-0065	23-66-0250
5265	54-22-5000	448-1001	16-22-1300	18-22-1180	22-18-0485	22-64-0705	31-12-0090	23-66-0900
5300	54-24-3506	342-21060	16-62-1130	18-62-1100	22-18-0330	22-64-0090	23-44-0100	23-66-0490
5330	54-24-1200	477-1001	16-82-1830	18-82-1220	22-18-0145	22-64-0080	23-44-0140	23-66-0505
5351	54-24-3021	488-1702	16-42-1435	18-42-1240	22-16-0250	22-64-0385	23-44-0120	23-66-0505
5361	54-24-3041	489-1322	16-42-1445	18-42-1230	22-16-0250	22-64-0385	23-44-0150	23-66-0505
5390	54-24-1505	422-29023	16-22-1290	18-22-1160	22-18-0155	22-64-0665	23-44-0060	23-66-0515
5392	54-24-1551	456-5078	16-22-1290	18-22-1160	22-18-0155	22-64-0665	23-44-0060	23-66-0925
5400	54-24-7006	107-11150	16-22-1000	18-22-1030	22-18-0155	22-64-0385	23-44-0020	23-66-0160
5410	54-27-0100	447-1001	16-22-1310	18-22-1190	22-18-0485	22-64-0715	31-12-0090	23-66-0900
5450	54-32-1008	100-22449	16-62-1045	18-62-1035	22-18-0330	22-64-0090	23-44-0100	23-66-0160
5530	54-32-1103	140-4028	16-62-1035	18-62-1035	22-18-0330	22-64-0090	23-44-0100	23-66-0160
5590	54-32-1218	47-9416	16-82-1180	18-82-1110	22-18-0260	22-64-0090	23-44-0065	23-66-0250
5610	54-37-0101	451-1221	16-62-1180	18-62-1101	22-18-0440	22-64-0380	23-44-0130	23-66-0860
5620	54-37-0101	451-1221	16-62-1180	18-62-1100	22-18-0440	22-64-0386	23-44-0130	23-66-0860
5650	54-37-0202	452-2367	16-62-1170	18-62-1170	22-18-0440	22-64-0380	23-44-0130	23-66-0860
5660	54-37-0202	452-2367	16-62-1170	18-62-1170	22-18-0440	22-64-0386	23-44-0130	23-66-0860
6000	54-38-1002	285-4288	16-42-1310	18-42-1130	22-18-0155	22-64-0220	23-44-0060	23-66-0380
6020	54-38-2019	49-51010	16-82-1711	18-82-1180	22-18-0125	22-64-0090	23-44-0035	23-66-0250
6060	54-38-3111	48-148969	16-82-1711	18-82-1180	22-18-0125	22-64-0090	23-44-0035	23-66-0250
6085	54-38-3201	461-1151	16-82-1715	18-82-1185	22-18-0125	22-64-0730	23-44-0035	23-66-0250
6205	54-40-2525	478-1001	16-82-1280	18-82-1085	22-18-0055	22-64-0095	23-44-0030	23-66-0300
6206	54-40-2525	478-1001	16-82-1280	18-82-1085	22-18-0055	22-64-0095	23-44-0030	23-66-0300
6225	54-40-1200	457-1001	16-62-1190	18-62-1005	22-18-0450	22-64-0386	23-44-0130	23-66-0755
6250	54-40-3003	281-26772	16-22-1190	18-22-1121	22-18-0155	22-64-0220	23-44-0020	23-66-0310
6280	54-40-3103	334-5182	16-22-1190	18-22-1121	22-18-0155	22-64-0220	23-44-0020	23-66-0310
6293	54-40-1814	309-6160	16-62-1050	18-62-1050	22-18-0300	22-64-0340	–	23-66-0430
6331	54-40-1842	349-7670	16-62-1100	18-62-1050	22-18-0300	22-64-0340	–	23-66-0430
6360	54-40-1512	177-8633	16-82-1300	18-82-1085	22-18-0095	22-64-0080	23-44-0050	23-66-0500
6370	54-40-2003	368-6101	16-82-1801	18-82-1201	22-18-0095	22-64-0121	23-44-0050	23-66-0500
6400	54-40-1522	178-8327	16-82-1310	18-82-1085	22-18-0095	22-64-0080	23-44-0050	23-66-0500
6505*	54-40-4102	335-4212	16-42-1340	18-42-1180	22-18-0100	22-64-0385	23-44-0060	23-66-0230
6511*	54-40-4251	460-29908	16-42-1445	18-42-1230	22-16-0250	22-64-0385	23-44-0120	23-66-0751
6512*	54-40-4141	483-3061	16-42-1445	18-42-1230	22-16-0250	22-64-0625	23-44-0120	23-66-0751
6543-1	54-42-0301	469-1652	16-22-1295	18-22-1160	22-18-0155	22-64-0665	23-44-0020	23-66-0792
6583-1	54-42-0401	470-1851	16-22-1295	18-22-1160	22-18-0155	22-64-0665	23-44-0020	23-66-0792
6584-1	54-42-0250	497-1001	16-22-1295	18-22-1160	22-18-0155	22-64-0665	23-44-0020	23-66-0792
6747-1	54-42-5151	453-21978	16-22-1295	18-22-1160	22-18-0155	22-64-0665	23-44-0020	23-66-0815
6751-1	54-42-0201	468-4591	16-22-1290	18-22-1160	22-18-0155	22-64-0665	23-44-0020	23-66-0815
6783-1	54-42-0351	471-1911	16-22-1295	18-22-1160	22-18-0155	22-64-0665	23-44-0020	23-66-0792
6798-1	54-42-5501	450-6758	16-22-1295	18-22-1160	22-18-0155	22-64-0665	23-44-0020	23-66-0792
6800	54-44-0100	220-1001	16-22-1106	18-22-1030	22-18-0155	22-64-0220	23-44-0060	23-66-0310
6810	54-44-0200	444-1001	16-12-0010	18-12-0010	22-18-0480	22-64-0710	–	23-66-0895
6820	54-44-0300	445-1001	16-22-1310	18-22-1190	22-18-0485	22-64-0715	31-12-0090	23-66-0900
6830	54-44-0400	446-1001	16-22-1310	18-22-1190	22-18-0485	22-64-0715	31-12-0090	23-66-0900
8600	54-47-0100	440-1001	16-12-0020	18-12-0020	22-18-0490	22-64-0725	–	23-66-0905
9051	54-26-1300	466-1001	16-42-1355	18-42-1195	22-16-0260	22-64-0425	–	23-66-0575
9060	54-26-1400	463-1001	16-42-1365	18-42-1205	22-16-0265	22-64-0425	–	23-66-0585
9070	54-26-1500	462-1001	16-42-1365	18-42-1205	22-16-0265	22-64-0425	–	23-66-0585

★ For Sawzall Blade Clamp, order 42-68-0073 --- Blade Clamp Screw, 06-75-2400 --- Socket Wrench, 49-96-0070.

AMPS...HORSEPOWER...EFFICIENCY

Any Electric Tool is only as good as its motor. No matter what other desirable features any tool may have, the motor is the most vital part . . . the heart of the tool.

All motors draw more or less amperes depending upon the various loads applied. The motor converts electrical energy to mechanical energy. If the amount of loss is small in conversion, the motor's efficiency becomes greater, resulting in more output at the working end of the tool. The ampere rating of the motor on the MILWAUKEE nameplate is based upon continuous heavy-duty operation to provide maximum efficiency at full rated load. MILWAUKEE motors are conservatively rated and have the reserve horsepower for extra heavy-duty jobs.

GENERAL INFORMATION

Unless otherwise indicated, the tools listed in this catalog have universal motors operating on single-phase current (25-60 Hz) of the specified voltage. All tools (except double insulated and 12 volt models), have 3 wire conductor cords with 3 prong rubber plugs for use in grounded receptacles. Double insulated tools listed in the catalog feature an extra layer of insulation which provides extra protection against electrical shock and eliminates the need for grounding. These tools are equipped with a rubber, 2 prong plug and can be used in all standard receptacles, offering an advantage where proper grounding is not available. The Milwaukee Electric Tool Corporation reserves the right to make any changes in or improvements on its products without incurring any liability or obligation whatever and without being required to make any corresponding changes or improvements in products previously manufactured or sold.

INSTRUCTIONS

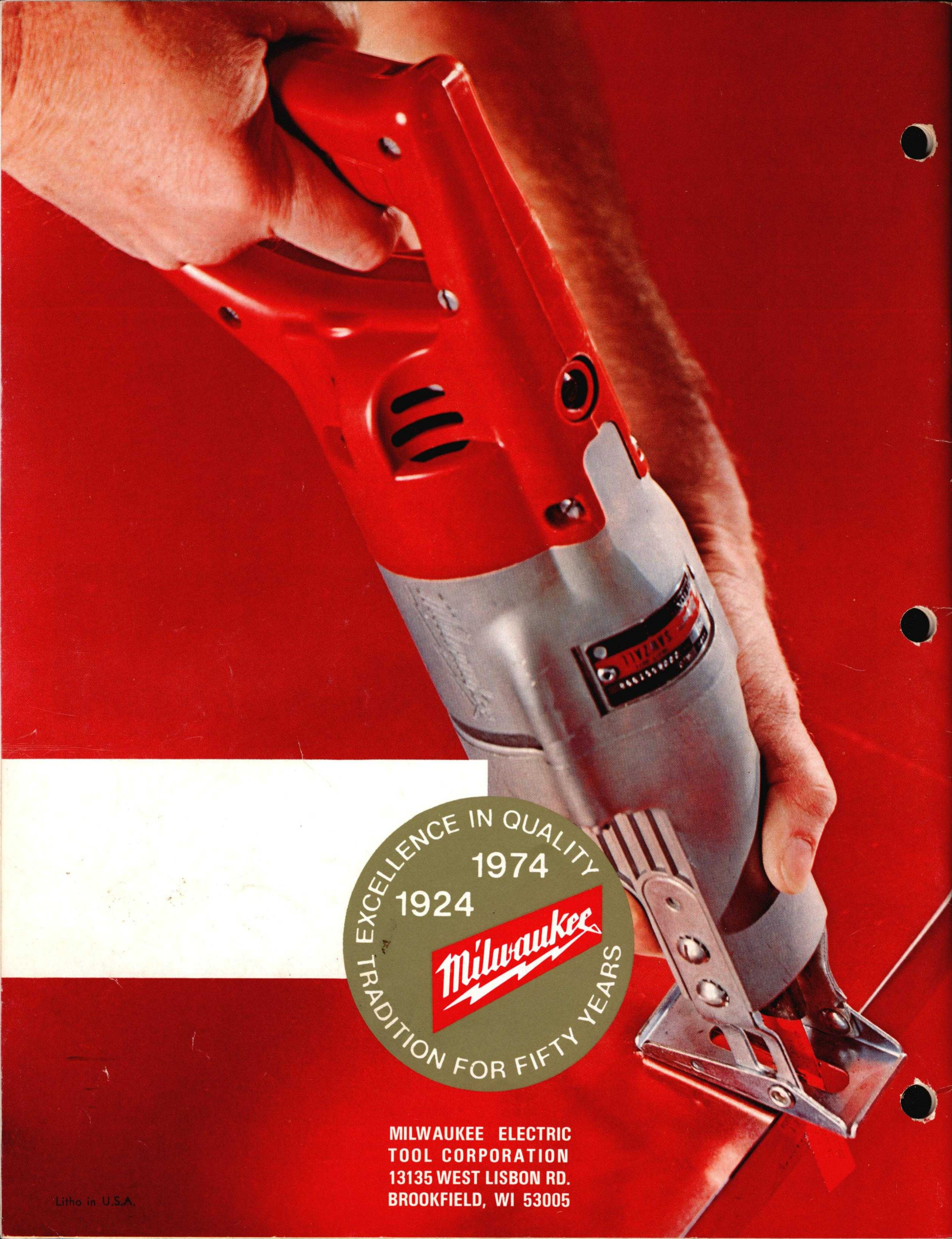
An instruction booklet is furnished with each MILWAUKEE Electric Tool. Please read it carefully for best care and performance. IMPORTANT — Pay particular attention to all safety precautionary measures before operating any power tool.

EXTENSION CABLE CHART

When an extension cord is used, it should always be a 3 wire cord to permit proper grounding. If using extension cord out of doors, be sure it is rated for outdoor use. As the distance from the supply outlet increases, heavier gauge extensions are required. The use of extension cords of inadequate size wire causes a serious drop in voltage, loss of power and possible motor damage. This table is based on limiting line voltage drop to 5 volts at 150% of rated amperes. Always inspect cords before using and make any necessary repairs or replacements.

Ampere rating (on Nameplate)	0-2.00	2.10-3.4	3.5-5.00	5.10-7.0	7.10-12.0	12.1-16.0	
Ext. Cable Length	Wire Size						
25 Ft.	18	18	18	18	16	14*	
50 Ft.	18	18	18	16*	14*	12	
75 Ft.	18	18	16	14	12	10	
100 Ft.	18	16	14	12	10	8	Not normally available as flexible extension cord.
150 Ft.	16	14	12	12	8	8	
200 Ft.	16	14	12	10	8	6	
300 Ft.	14	12	10	8	6	4	
400 Ft.	12	10	8	6	4	4	
500 Ft.	12	10	8	6	4	2	
600 Ft.	10	8	6	4	2	2	
800 Ft.	10	8	6	4	2	1	
1000 Ft.	8	6	4	2	1	0	

*See page 18 for Extension Cords.



MILWAUKEE ELECTRIC
TOOL CORPORATION
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BROOKFIELD, WI 53005

Litho in U.S.A.